

SAMSUNG

GT-I9103

user manual



Using this manual

Thank you for purchasing this Samsung mobile device. This device will provide you with high quality mobile communication and entertainment based on Samsung's exceptional technology and high standards.

This user manual has been specially designed to guide you through the functions and features of your device.

Read me first

- Please read all safety precautions and this manual carefully before using your device to ensure safe and proper use.
- The descriptions in this manual are based on the default settings of your device.
- Images and screenshots used in this user manual may differ in appearance from the actual product.
- Content in this user manual may differ from the product, or from software provided by service providers or carriers, and is subject to change without prior notice. Refer to www.samsung.com/hk for the latest version of the user manual.
- Available features and additional services may vary by device, software, or service provider.
- Formatting and delivery of this user manual is based on Google Android operating systems and may vary depending on the user's operating system.
- Applications and their functions may vary by country, region, or hardware specifications. Samsung is not liable for performance issues caused by third-party applications.
- Samsung is not liable for performance issues or incompatibilities caused by user editing of registry settings.

- You may upgrade your mobile device's software by accessing www.samsung.com/hk.
- Software, sound sources, wallpapers, images, and other contents provided in this device are licenced for limited use between Samsung and their respective owners. Extracting and using these materials for commercial or other purposes is an infringement of copyright laws. Samsung is not liable for such copyright infringement by the user.
- Please keep this manual for future reference.

Instructional icons

Before you start, familiarise yourself with the icons you will see in this manual:



Warning—situations that could cause injury to yourself or others



Caution—situations that could cause damage to your device or other equipment



Note—notes, usage tips, or additional information



Refer to—pages with related information; for example: ► p. 12 (represents “see page 12”)



Followed by—the order of options or menus you must select to perform a step; for example: In Idle mode, open the application list and select **Settings** → **About phone** (represents **Settings**, followed by **About phone**)



Square brackets—device keys; for example: [≡] (represents the Menu key)

Copyright

Copyright © 2012 Samsung Electronics

This user manual is protected under international copyright laws.

No part of this user manual may be reproduced, distributed, translated, or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or storing in any information storage and retrieval system, without the prior written permission of Samsung Electronics.

Trademarks

- SAMSUNG and the SAMSUNG logo are registered trademarks of Samsung Electronics.
- The Android logo, Google™, Google Maps™, Google Mail™, YouTube™, Google Play™ Store, and Google Talk™ are trademarks of Google, Inc.
- Bluetooth® is a registered trademark of the Bluetooth SIG, Inc. worldwide.
- Windows Media Player® is a registered trademark of Microsoft Corporation.
- Wi-Fi®, Wi-Fi Protected Setup™, Wi-Fi Direct™, Wi-Fi CERTIFIED™, and the Wi-Fi logo are registered trademarks of the Wi-Fi Alliance.
- DivX®, DivX Certified® and associated logos are trademarks of Rovi Corporation or its subsidiaries and are used under licence.
- All other trademarks and copyrights are the property of their respective owners.





ABOUT DIVX VIDEO

DivX[®] is a digital video format created by DivX, LLC, a subsidiary of Rovi Corporation. This is an official DivX Certified[®] device that plays DivX video. Visit www.divx.com for more information and software tools to convert your files into DivX videos.

ABOUT DIVX VIDEO-ON-DEMAND

This DivX Certified[®] device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to vod.divx.com for more information on how to complete your registration.

DivX Certified[®] to play DivX[®] video up to HD 720p, including premium content.

May play DivX[®] video up to HD 1080p.

Contents

Assembling	10
Unpack	10
Install the SIM or USIM card and battery	10
Charge the battery	12
Insert a memory card	15
Getting started	18
Turn your device on and off	18
Get to know your device	19
Use the touch screen	24
Lock or unlock the touch screen and keys	25
Get to know the idle screen	25
Access applications	28
Customise your device	30
Enter text	35
Download applications from Play Store	39
Download files from the web	40
Synchronise data	41
Communication	43
Calling	43
Messaging	49
Google Mail	51
Email	53
Talk	55
Messenger	56
Google+	56
Social Hub	57

Entertainment	58
Camera	58
Video player	68
Gallery	69
Photo editor	71
Music player	72
FM radio	75
Game Hub	78
Personal information	79
Contacts	79
Calendar	83
Task	84
Memo	85
Voice recorder	86
Web	88
Internet	88
Maps	91
Latitude	93
Local	93
Navigation	94
YouTube	95
Samsung Apps	96
Play Store	97
Readers Hub	97
News & Weather	98
Connectivity	99
Bluetooth	99
Wi-Fi	101

Wi-Fi Direct	104
AllShare	105
Mobile network sharing	107
GPS	109
PC connections	110
VPN connections	113
Tools	116
Clock	116
Calculator	119
Downloads	119
Kies air	120
Mini diary	121
My files	122
Polaris Office 4.0	123
Search	124
SIM Toolkit	124
Task Manager	124
Voice command	125
Voice talk	125
Settings	126
Access the Settings menu	126
Wi-Fi	126
Bluetooth	126
Data usage	126
More...	127
Call	128
Sound	130

Display	130
Power saving	131
Storage	132
Battery	133
Applications	133
Accounts and sync	133
Location services	133
Security	134
Language and input	136
Back up and reset	140
Dock	140
Date and time	141
Accessibility	141
Motion	142
Developer options	142
About phone	143
Troubleshooting	144

Assembling

Unpack

Check your product box for the following items:

- Mobile device
- Battery
- Quick start guide



Use only Samsung-approved software. Pirated or illegal software may cause damage or malfunctions that are not covered by your manufacturer's warranty.



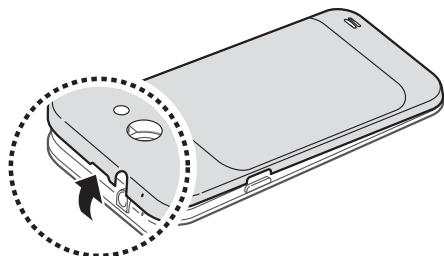
- The items supplied with your device may vary depending on the software and accessories available in your region or offered by your service provider.
- You can obtain additional accessories from your local Samsung dealer.
- The supplied accessories perform best for your device.
- Accessories other than the supplied ones may not be compatible with your device.

Install the SIM or USIM card and battery

When you subscribe to a cellular service, you will receive a Subscriber Identity Module (SIM) card, with subscription details, such as your personal identification number (PIN) and optional services. To use UMTS or HSDPA services, you can purchase a Universal Subscriber Identity Module (USIM) card.

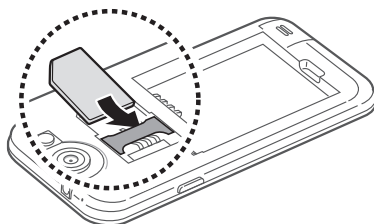
To install the SIM or USIM card and battery,

- 1 If the device is on, press and hold the Power key and select **Power off** → **OK** to turn it off.
- 2 Remove the back cover.



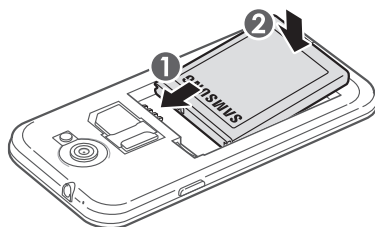
- ! • Be careful not to damage your fingernails when you remove the back cover.
- Do not bend or twist the back cover excessively. Doing so may damage the cover.

- 3 Insert the SIM or USIM card with the gold-coloured contacts facing down.

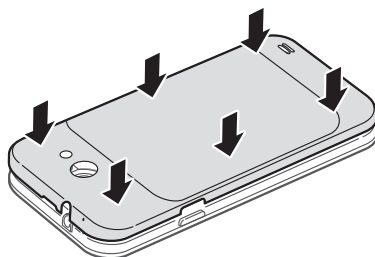


- ! • The antenna is located in the upper area on the back of the device. Do not remove the protective tape covering the antenna, as this can damage the antenna.
- The SIM card slot of your device is only suited for standard SIM cards. Inserting a microSIM card or a microSIM card with an unauthorised holder may cause damage to the SIM card slot of your device.

4 Insert the battery.



5 Replace the back cover.



Charge the battery

Before using the device for the first time or when the battery has been unused for an extended period, you must charge the battery.

You can charge the device with a travel adapter or by connecting the device to a PC with a USB cable.



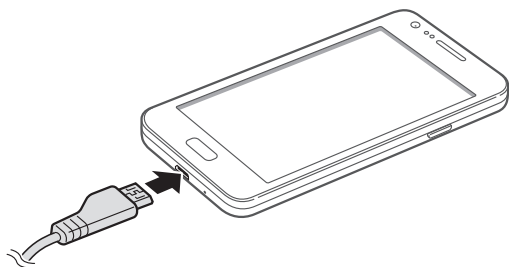
Use only Samsung-approved chargers and cables. Unauthorised chargers or cables can cause batteries to explode or damage your device.



- When your battery is low, the device will emit a warning tone and display a low battery message. The battery icon  will also be empty. If the battery level becomes too low, the device will automatically power off. Recharge your battery to continue using your device.
- If the battery is completely discharged, you cannot turn on the device, even with the travel adapter connected. Allow a depleted battery to charge for a few minutes before you try to turn on the device.

➤ Charge with a travel adapter

- I* Plug the small end of the travel adapter into the multifunction jack.



Connecting the travel adapter improperly may cause serious damage to the device. Any damage caused by misuse is not covered by the warranty.

2 Plug the large end of the travel adapter into an electrical socket.



- You can use the device while it is charging, but it may take longer to fully charge the battery.
- While the device is charging, the touch screen may not function due to an unstable power supply. If this happens, unplug the travel adapter from the device.
- While charging, the device may heat up. This is normal and should not affect your device's lifespan or performance.
- If your device is not charging properly, bring your device and the charger to a Samsung Service Centre.

3 When the battery is fully charged (the battery icon is no longer moving), unplug the travel adapter from the device and then from the electrical socket.



Do not remove the battery before removing the travel adapter. Doing this may cause damage to the device.



To save energy, unplug the travel adapter when not in use. The travel adapter does not have a power switch, so you must unplug the travel adapter from the electrical socket when not in use to avoid wasting power. The device should remain close to the electrical socket while charging.

➤ Charge with a USB cable

Before charging, ensure that your PC is turned on.

1 Plug one end (micro-USB) of the USB cable into the multifunction jack.

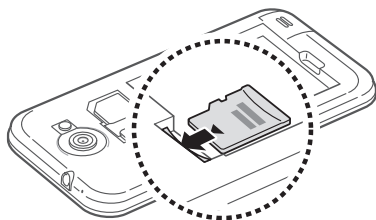
- 2 Plug the other end of the USB cable into a USB port on a PC.
-  Depending on the type of USB cable you are using, it may take some time before charging begins.
- 3 When the battery is fully charged (the battery icon is no longer moving), unplug the USB cable from the device and then from the PC.

Insert a memory card

Your device accepts memory cards with maximum capacities of 32 GB. Depending on the memory card manufacturer and type, some memory cards may not be compatible with your device.

-  Samsung uses approved industry standards for memory cards, but some brands may not be fully compatible with your device. Using an incompatible memory card may damage your device or the memory card and can corrupt data stored on the card.
- 
 - Your device supports only the FAT file structure for memory cards. If you insert a card formatted with a different file structure, your device will ask you to reformat the memory card.
 - Frequent writing and erasing of data will shorten the lifespan of memory cards.
 - When you insert a memory card in your device, the file directory of the memory card will appear in the `external_sd` folder under the internal memory.

- 1 Remove the back cover and battery.
- 2 Insert a memory card with the gold-coloured contacts facing down.



- 3 Push the memory card in the memory card slot until it locks in place.
- 4 Replace the battery and back cover.

▶ Remove the memory card

Before removing a memory card, first unmount it for safe removal.

- 1 In Idle mode, select **Applications** → **Settings** → **Storage** → **Unmount SD card** → **OK**.
- 2 Remove the back cover and battery.
- 3 Push the memory card gently until it disengages from the device.
- 4 Pull the memory card out of the memory card slot.
- 5 Remove the memory card.
- 6 Replace the battery and back cover.

 Do not remove a memory card while the device is transferring or accessing information, as this could result in loss of data or damage to the memory card or device.

› Format the memory card

Formatting your memory card on a PC may cause incompatibilities with your device. Format the memory card only on the device.

In Idle mode, select **Applications** → **Settings** → **Storage** → **Format SD card** → **Format SD card** → **Erase everything**.



Before formatting the memory card, remember to make backup copies of all important data stored on your device. The manufacturer's warranty does not cover loss of data resulting from user actions.

Getting started

Turn your device on and off

To turn on your device,

- 1 Press and hold the Power key.
- 2 If you turn on your device for the first time, follow the on-screen instructions to set up your device.

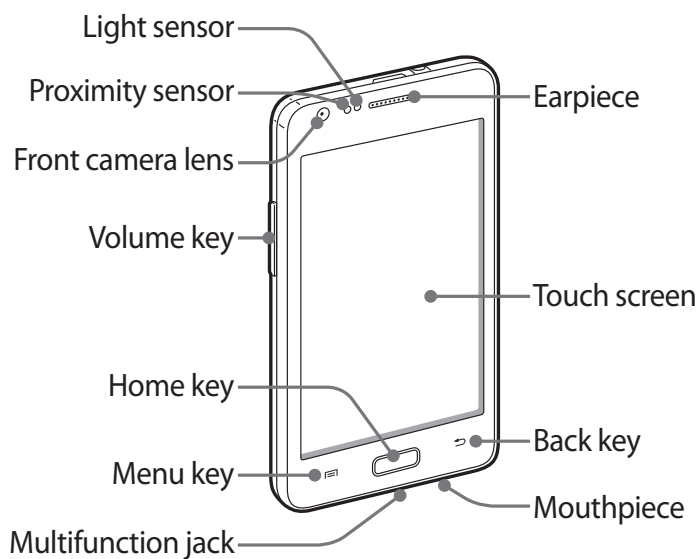
To turn off your device, press and hold the Power key and then select **Power off** → **OK**.

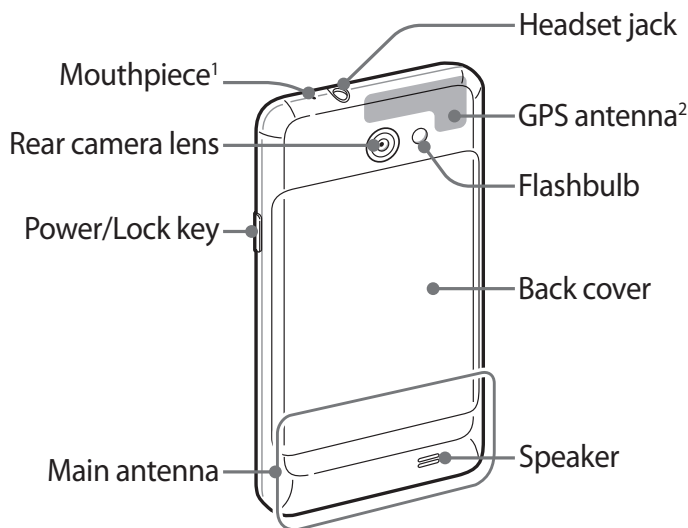


- Follow all posted warnings and directions from official personnel when in areas where the use of wireless devices is restricted, such as aeroplanes and hospitals.
- To use your device's non-network services only, switch to Flight mode. Press and hold the Power key and select **Flight mode**.

Get to know your device

› Device layout





-
1. Active only when you use the speakerphone feature or record videos.
 2. Do not touch or cover the area around the antenna with your hands or other objects while using the GPS functions.

> Keys

Key	Function
 Power/ Lock	Turn on the device (press and hold); Access the quick menus (press and hold); Lock the touch screen.
 Menu	Open a list of options available on the current screen; In Idle mode, open the search application (press and hold); Open the search input window while using some applications (press and hold).
 Home	Return to the idle screen; Open the list of recent applications (press and hold); Launch the voice talk application (press twice).
 Back	Return to the previous screen.
 Volume	Adjust the device's volume.

› Indicator icons



Icons shown on the display may vary depending on your region or service provider.

Icon	Definition
	No signal
	Signal strength
	GPRS network connected
	EDGE network connected
	UMTS network connected
	Open Wi-Fi APs available
	Wi-Fi AP connected
	Bluetooth activated
	Bluetooth headset connected
	GPS-based services in use
	Call in progress
	Call on hold
	Speakerphone activated
	Missed call
	Uploading data
	Downloading data

Icon	Definition
	Call diverting activated
	Connected to PC
	USB tethering activated
	Wi-Fi tethering activated
	No SIM or USIM card
	New text or multimedia message
	New email message
	New voice mail message
	Alarm activated
	Event notification
	Roaming (outside of normal service area)
	Silent mode activated
	Vibration mode activated
	Flight mode activated
	Music playback in progress
	Music playback paused
	FM radio turned on in the background
	Error occurred or caution required
	Battery power level
10:00	Current time

Use the touch screen

Your device's touch screen lets you easily select items or perform functions. Learn basic actions to use the touch screen.



- Do not press the touch screen with your fingertips, or use sharp tools on the touch screen. Doing so may damage the touch screen or cause it to malfunction.
- Do not allow the touch screen to come into contact with other electrical devices. Electrostatic discharges can cause the touch screen to malfunction.
- Do not allow the touch screen to come into contact with water. The touch screen may malfunction in humid conditions or when exposed to water.
- Leaving the touch screen idle for extended periods may result in afterimages (screen burn-in) or ghosting. Turn off the touch screen when you do not use the device.



- For optimal use of the touch screen, remove the screen protection film before using your device.
- Your touch screen has a layer that detects small electrical charges emitted by the human body. For best performance, tap the touch screen with your fingertip. The touch screen will not react to touches of sharp tools, such as a stylus or pen.

Control your touch screen with the following actions:

- Tap: Touch once with your finger to select or launch a menu, option, or application.
- Tap and hold: Tap an item and hold it for more than 2 seconds to open a pop-up option list.
- Drag: Tap and drag your finger up, down, left, or right to move to items on lists.

- Drag and drop: Tap and hold your finger on an item, and then drag your finger to move the item.
- Double-tap: Tap twice quickly with your finger to zoom in or out while viewing photos or web pages.



- Your device turns off the touch screen when you do not use the device for a specified period. To turn on the screen, press the Power key or the Home key.
- You can also adjust the backlight time. In Idle mode, open the application list and select **Settings** → **Display** → **Screen timeout**.

Lock or unlock the touch screen and keys

You can lock the touch screen and keys to prevent any unwanted device operations.

To lock, press the Power key. To unlock, turn on the screen by pressing the Power key or the Home key, tap anywhere on the screen, and then drag your finger outside of the large circle.



You can activate the screen lock feature to prevent others from using or accessing your personal data and information saved in your device. ► p. 32

Get to know the idle screen

When the device is in Idle mode, you will see the idle screen. From the idle screen, you can view your device's status and access applications.

The idle screen has multiple panels. Scroll left or right to a panel of the idle screen. You can also select a dot at the bottom of the screen to move to the corresponding panel of the idle screen directly.

› Add items to the idle screen

You can customise the idle screen by adding shortcuts to applications or items in applications, widgets, or folders. To add items to the idle screen,

- 1 Press [≡] → **Add** or tap and hold the empty area on the idle screen.
- 2 Select the item category → an item:
 - **Widgets:** Add widgets to the idle screen.
 - **Shortcuts:** Add shortcuts to items, such as applications, bookmarks, and contacts.
 - **Folders:** Add a new folder or a shortcut folder.
 - **Wallpapers:** Set a background image.

› Move items on the idle screen

- 1 Tap and hold an item to move.
- 2 Drag the item to the location you want.

› Remove items from the idle screen

- 1 Tap and hold an item to remove.
The trash bin appears at the bottom of the idle screen.
- 2 Drag the item to the trash bin.
- 3 When the item turns red, release the item.

› Use the notifications panel

In Idle mode or while using an application, tap the indicator icons area and drag your finger down to open the notifications panel. You can activate or deactivate wireless connection features and access a list of notifications, such as messages, calls, events or processing status. To hide the list, drag the bottom of the list up.

From the notifications panel, you can use the following options:

- **Wi-Fi:** Activate or deactivate the Wi-Fi connection feature.
► p. 102
- **Bluetooth:** Activate or deactivate the Bluetooth wireless connection feature. ► p. 99
- **GPS:** Activate or deactivate the GPS feature.
- **Sound:** Activate or deactivate Silent mode.
- **Screen rotation:** Activate or deactivate the auto rotation.



Available options may vary depending on your region or service provider.

➤ Add or remove panels to the idle screen

You can add or remove panels of the idle screen to organise widgets according to your preferences and needs.

1 In Idle mode, press [≡] → **Edit**.

You can also place your two fingers on the screen and pinch to switch to Edit mode.

2 Add or remove panels by using the following features:

- To remove a panel, tap and hold the thumbnail of a panel and drag it to the trash bin at the bottom of the screen.
- To add a new panel, select **+**.
- To change the order of the panels, tap and hold the thumbnail of a panel and drag it to the location you want.

3 When you are finished, press [↶].

Access applications

To access your device's applications,

- 1 In Idle mode, select **Applications** to access the application list.
- 2 Scroll left or right to another application screen.
You can also select a dot at the bottom of the screen to move directly to the corresponding screen.
- 3 Select an application.



- When you use applications provided by Google, you must have a Google account. If you do not have a Google account, sign up for a Google account.
- You can add a shortcut to an application by tapping and holding the application icon from the application list. You can move the icon to the location you want on the idle screen.

- 4 Press [↶] to return to the previous screen; Press the Home key to return to the idle screen.



- If you rotate the device while using some features, the interface will automatically rotate as well. To prevent the interface from rotating, open the notifications panel and select **Screen rotation**.
- While using the device, you can capture an image of a screen by pressing and holding the Home key and the Power key simultaneously. The image will be saved in **My files** → **Pictures** → **Screenshots**.

› Organise applications

You can reorganise the applications in the application list by changing their order or grouping them into categories to suit your preferences and needs.

- 1 In the application list, press [≡] → **Edit** → **OK**.
- 2 Tap and hold an application.
- 3 Drag the application icon to the location you want.
You can move an application icon to another screen. You can also move most-used applications next to **Home**.
- 4 Press [≡] → **Save**.

To add a folder or panel to the screen,

- 1 In the application list, press [≡] → **Edit**.
- 2 Tap and hold an application.
- 3 Drag the application icon to **Add Folder** or **Add Page** at the bottom of the screen.
- 4 Repeat steps 2-3 to add more applications.
- 5 Drag **Add Folder** or **Add Page** to the screen.
A new folder or panel containing the applications is added to the screen.
- 6 If you added a folder, enter a name and select **OK**.
- 7 Press [≡] → **Save**.

To change the order of the screens,

- 1 In the application list, place your two fingers on the screen and pinch.
- 2 Tap and hold the thumbnail of a screen and drag it to the location you want.

› Access recent applications

- 1 Press and hold the Home key to open the list of applications you have accessed recently.
- 2 Select an application to access.

› Use the task manager

Your device is a multitasking device. It can run more than one application at the same time. However, multitasking may cause hang-ups, freezing, memory problems, or additional power consumption. To avoid these problems, end unnecessary programs using the task manager.

- 1 In Idle mode, open the application list and select **Task Manager** → **Active applications**.
The list of all the applications currently running on your device appears.
- 2 To close an application, select **Exit**.
To close all active applications, select **Exit all**.

Customise your device

Get more from your device by customising it to match your preferences.

› Set the current time and date

- 1 In Idle mode, open the application list and select **Settings** → **Date and time**.
- 2 Set the time and date and change other options.

› Turn on or off the touch tone

In Idle mode, open the application list and select **Settings** → **Sound** → **Touch sounds**.

› Switch to the silent mode

To mute or unmute your device, do one of the following:

- Open the notifications panel from the top of the screen and select **Sound**.
- Press and hold the Power key and select **Silent mode**.
- In Idle mode, open the application list and select **Phone** → **Keypad**, and then tap and hold #.

› Change your ringtone

- 1 In Idle mode, open the application list and select **Settings** → **Sound** → **Phone ringtone**.
- 2 Select a ringtone from the list and select **OK**.

› Select a wallpaper for the idle screen

- 1 In Idle mode, press [≡] → **Wallpaper** → an option.
- 2 Select an image.
- 3 Select **Save** or **Set wallpaper**.



Samsung is not responsible for any use of default images or wallpapers provided on your device.

› Adjust the brightness of the display

- 1 In Idle mode, open the application list and select **Settings** → **Display** → **Brightness**.
- 2 Clear the check box next to **Automatic brightness**.
- 3 Drag the slider to adjust the level of brightness.
- 4 Select **OK**.



The brightness level of the display will affect how quickly the device consumes battery power.

› Set a screen lock

You can lock the touch screen by activating the screen lock feature. Your device will require the unlock code each time you turn on the device or unlock the touch screen.



- If you forget your unlock code, bring your device to a Samsung Service Centre to reset it.
- Samsung is not responsible for any loss of security codes or private information or other damages caused by illegal software.

Set a face detection unlock

- 1 In Idle mode, open the application list and select **Settings** → **Security** → **Screen lock** → **Face unlock**.
- 2 Select **Set it up** → **Continue**.
- 3 Adjust the device to fit your face inside the figure.
- 4 When your face is captured correctly, select **Continue**.
- 5 Complete the setup of the secondary unlock code.

Set an unlock pattern

- 1 In Idle mode, open the application list and select **Settings** → **Security** → **Screen lock** → **Pattern**.
- 2 See the on-screen instructions and example patterns and select **Next**.
- 3 Draw a pattern by dragging your finger to connect at least 4 dots.
- 4 Select **Continue**.
- 5 Draw a pattern again to confirm.
- 6 Select **Confirm**.
- 7 Complete the setup of the backup PIN.



If you forget your unlock pattern, you can deactivate the screen lock feature with a backup PIN.

Set an unlock PIN code

- 1 In Idle mode, open the application list and select **Settings** → **Security** → **Screen lock** → **PIN**.
- 2 Enter a new PIN (numeric) and select **Continue**.
- 3 Enter the PIN again and select **OK**.

Set an unlock password

- 1 In Idle mode, open the application list and select **Settings** → **Security** → **Screen lock** → **Password**.
- 2 Enter a new password (alphanumeric) and select **Continue**.
- 3 Enter the password again and select **OK**.

› Lock your SIM or USIM card

You can lock your device by activating the PIN supplied with your SIM or USIM card.

- 1 In Idle mode, open the application list and select **Settings** → **Security** → **Set up SIM card lock** → **Lock SIM card**.
- 2 Enter your PIN and select **OK**.

Once the PIN lock is enabled, you must enter the PIN each time you turn on the device.



- If you enter an incorrect PIN too many times, your SIM or USIM card will be blocked. You must enter a PIN unlock key (PUK) to unblock the SIM or USIM card.
- If you block your SIM or USIM card by entering an incorrect PUK, bring the card to your service provider to unblock it.

› Activate the Find my mobile feature

When someone inserts a new SIM or USIM card in your device, the Find my mobile feature will automatically send the contact number to specified recipients to help you locate and recover your device.

To use this feature, you need a Samsung account for controlling the device from the web remotely.

- 1 In Idle mode, open the application list and select **Settings** → **Security** → **SIM Change Alert**.
- 2 Select **Sign in**.
To create a Samsung account, select **Create new account**.
- 3 Enter your email address and password for your Samsung account and select **Sign in**.

- 4 Select **Alert message recipients**.
- 5 Enter the password for your Samsung account again and select **Done**.
- 6 Enter a phone number including a country code (with +).
- 7 Enter the text message to be sent to the recipients.
- 8 Select **Done**.

Enter text

You can enter text by selecting characters on the virtual keypad or by inputting handwriting on the screen.

 You cannot enter text in some languages. To enter text, you should change the writing language to one of the supported languages. ► p. 136

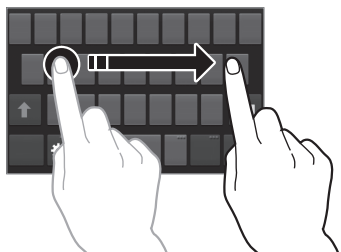
› Change the keyboard type

You can change the keyboard type. Open the notifications panel and select **Select input method** → a keyboard type.

You can also enter text with your voice. Select **Google voice typing**, and then select a language to use for the voice input feature.

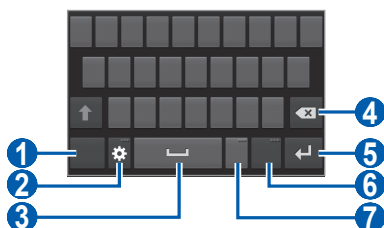
› Enter text using the Samsung Chinese IME keypad

- 1 Scroll left or right on the keypad to switch between keyboard types.



- 2 Enter text by selecting alphanumeric keys or writing on the screen.

You can also use the following keys:



Number	Function
1	Switch to Number/Symbol mode.
2	Access the keypad settings; Switch to Handwriting mode, enter text by voice, or access the clipboard (tap and hold).
3	Insert a space.
4	Clear your input.
5	Start a new line.
6	Change the input language.
7	Insert a full stop; Open the symbol panel (tap and hold).



In the handwriting mode, you can use the following gestures:

Function	Gesture
Space	
Enter	
Backspace	

When entering text with the 3x4 keypad, you can use the following modes:

Option	Function
Canjie	1. Select  to switch to Canjie mode. 2. Select appropriate virtual keys to enter canjies. 3. Select  and select a character.
Stroke	1. Select  to switch to Stroke mode. 2. Select appropriate virtual keys to enter strokes. Select  when you are unsure which stroke to enter. 3. Select  and select a character.
English	1. Select  to switch to English mode. 2. Select an appropriate virtual key until the character you want appears.
XT9 (Predictive text)	1. In English mode, select  to switch to XT9 mode. The dot turns green in XT9 mode. 2. Select an appropriate virtual keys to enter characters. 3. When the word displays correctly, select  to insert a space. If the correct word does not display, select  and an alternative word from the list that appears.
Number	1. Select  to switch to Number mode. 2. Select a number.
Symbol	1. Select  switch to Symbol mode. 2. Select  or  to scroll to a symbol set you want. 3. Select a symbol.

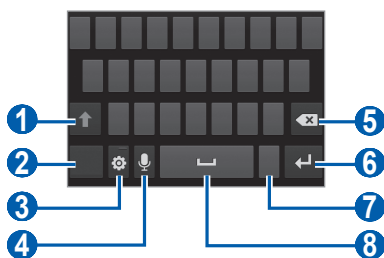
› Enter text using the Samsung keypad

1 Select  → **Portrait keypad types** and select a text input method.

You can select one of key input methods (QWERTY or traditional keypad) or handwriting input methods.

2 Enter text by selecting alphanumeric keys or writing on the screen.

You can also use the following keys:



Number	Function
1	Change case.
2	Switch between Symbol/Number mode and ABC mode.
3	Access the keypad settings; Change the keyboard type (tap and hold).
4	Enter text by voice; This icon is available only when you activate the voice input feature for the Samsung keypad.  This feature may be unavailable depending on the selected input language.
5	Clear your input.
6	Start a new line.

Number	Function
7	Insert a full stop; Open the symbol panel (tap and hold).
8	Insert a space.

› Copy and paste text

While you are entering text, you can use the copy and paste feature to use text in other applications.

- 1 Tap and hold a passage of text.
- 2 Drag  or  to select the text to be copied.
- 3 Select  to copy, or  to cut the text onto the clipboard.
- 4 In another application, place the cursor where you want to paste the text.
- 5 Select  → **Paste** to insert the text from the clipboard into the text field.

Download applications from Play Store

Based on the Android platform, your device's functionality can be extended by installing additional applications.

Play Store provides you an easy and quick way to shop for games and mobile applications.



- This feature may be unavailable depending on your region or service provider.
- Your device will save user files from downloaded applications to the internal memory.

› Install an application

- 1 In Idle mode, open the application list and select **Play Store**.
- 2 Select **Accept** when the terms and conditions appear.
- 3 Search for a file or application and download it.

› Uninstall an application

- 1 From Play Store home screen, press [≡] → **My Apps**.
- 2 Select the item you want to delete.
- 3 Select **Uninstall** → **OK**.

Download files from the web

 Files you download from the web can include viruses that will damage your device. To lessen your risk, only download files from sources you trust.

 Some media files include Digital Rights Management to protect copyrights. This protection may prevent you from downloading, copying, modifying, or transferring some files.

To download files from the web,

- 1 In Idle mode, open the application list and select **Internet**.
- 2 Search for a file or application and download it.

To install applications downloaded from websites other than Play Store, you must select **Settings** → **Security** → **Unknown sources** → **OK**.

Synchronise data

You can synchronise data with various web servers and back up or restore your data.

Once the synchronisation is completed, your device stays connected to the web. If any change is made on the web, the updated information will appear on your device and will automatically begin synchronisation, and vice versa.



This feature may be unavailable depending on your region or service provider.

› Set up a server account

- 1 In Idle mode, open the application list and select **Settings** → **Accounts and sync**.
- 2 Select **Add account** → an account type.
- 3 Follow the on-screen instructions to complete the account setup.

› Activate automatic sync

- 1 In Idle mode, open the application list and select **Settings** → **Accounts and sync**.
- 2 Select an account.
- 3 Select the applications you want to synchronise.

To exclude applications from automatic synchronisation, clear the check boxes next to the applications you want.

› Synchronise data manually

- 1 In Idle mode, open the application list and select **Settings** → **Accounts and sync**.
- 2 Select an account.
- 3 Select **Sync now**. Your device will start synchronising the data you set for synchronisation.

Communication

Calling

Learn to use calling functions, such as making and answering calls, using options available during a call or customising and using call-related features.

► Make and answer a call

You can use the buttons or the touch screen when you make, accept, end or reject calls.



- When you turn on the proximity sensor, your device automatically turns off and locks the touch screen to prevent accidental inputs when you hold the device near your face. ► p. 129
- Static electricity discharged from your body or clothing may interfere with the proximity sensor during a call.

Make a call

- 1 In Idle mode, open the application list and select **Phone** → **Keypad**, and enter an area code and a phone number.
- 2 Select  to make a voice call.
For a video call, select .
- 3 To end the call, select **End call**.



- Use the phonebook to save numbers you dial frequently. ► p. 79
- To quickly access the call log to redial the numbers you dialled recently, select **Phone** → **Logs**.

Answer a call

1 When a call comes in, select  and then drag your finger outside of the large circle.



When the device is ringing, press the Volume key to mute the ringtone.

2 To end the call, select **End call**.

Reject a call

When a call comes in, select  and then drag your finger outside of the large circle.

To send a message when you reject incoming calls, select **Reject call with message**.



First set a text message to be sent to callers. In Idle mode, open the application list and select **Settings** → **Call** → **Set reject messages**.

Call an international number

1 In Idle mode, open the application list and select **Phone** → **Keypad**, and tap and hold **0** to insert the + character.

2 Enter the complete number you want to dial (country code, area code and phone number), and then select  to dial the number.

› Use a headset

By plugging a headset into the device, you can answer and control calls hands-free:

- To answer a call, press the headset button.
- To reject a call, press and hold the headset button.
- To place a call on hold or retrieve a held call during a call, press and hold the headset button.
- To end a call, press the headset button.

› Use options during a voice call

You can use the following options while a voice call is in progress:

- To adjust the voice volume, press the Volume key up or down.
- To place a call on hold, select . To retrieve a held call, select .
- To dial a second call, select **Add call** and then dial a new number.
- To answer a second call, select  and then drag your finger outside of the large circle when a call waiting tone sounds. The device asks whether to end or hold the first call. You must subscribe to the call waiting service to use this feature.
- To open the keypad, select **Keypad**.
- To activate the speakerphone feature, select **Speaker**.



In noisy environments, you may have difficulty hearing some calls while using the speakerphone feature. For better audio performance, use the normal phone mode.

- To turn off the microphone so that the other party cannot hear you, select **Mute**.
- To listen and talk to the other party via a Bluetooth headset, select **Headset**.
- To open the phonebook, press [Contacts.
- To add a memo, press [Memo.
- To switch between the two calls, select **Swap**.
- To make a multiparty call (conference call), make or answer a second call and select **Merge** when connected to the second party. Repeat to add more parties. You must subscribe to the multiparty call service to use this feature.

› Use options during a video call

You can use the following options while a video call is in progress:

- To switch between the front and rear camera lens, select **Switch Camera**.
- To turn off the microphone so that the other party cannot hear you, select **Mute**.
- To hide your image from the other party, press [≡] → **Hide me**.
- To select an alternative image to be shown to the other party, press [≡] → **Outgoing image**.
- To open the keypad, press [≡] → **Keypad**.
- To listen and talk to the other party via a Bluetooth headset, press [≡] → **Switch to headset**.
- To activate the speakerphone feature, press [≡] → **Speaker On/Off**.
- To use the other party's image, tap and hold the other party's image. You can capture an image of the screen or record the video call.

› View and dial missed calls

Your device will display calls you have missed on the display. To dial the number of a missed call, open the notifications panel and select the missed call.

› Use additional features

You can use various other call-related features, such as auto rejection, Fixed Dialling Number (FDN) mode, or call diverting or barring.

Set auto rejection

Use auto rejection to reject calls from certain numbers automatically. To activate auto rejection and create auto reject lists,

- 1 In Idle mode, open the application list and select **Settings** → **Call** → **Call rejection**.
- 2 Select **Auto reject mode** → an option.

Option	Function
All numbers	Reject all calls.
Auto reject numbers	Reject calls from phone numbers on the auto reject list.

- 3 Select **Auto reject list**.
- 4 Select **Add**.
- 5 Select an option under **Match criteria** (if necessary).
- 6 Enter a phone number and select **Save**.
- 7 To add more numbers, repeat steps 4-6.

Use Fixed Dialling Number (FDN) mode

In FDN mode, your device will restrict outgoing calls, except for the numbers stored in the FDN list. To activate FDN mode,

- 1 In Idle mode, open the application list and select **Settings** → **Call** → **Additional settings** → **Fixed Dialling Numbers** → **Enable FDN**.
- 2 Enter the PIN2 supplied with your SIM or USIM card and select **OK**.
- 3 Select **FDN list** and add contacts to be used in FDN mode.

Set call forwarding

Call diverting is a network feature to send incoming calls to another number that you specify. You can set this feature separately for several conditions when you are not able to answer calls, such as when you are already on the phone or when you are outside of the service area.

- 1 In Idle mode, open the application list and select **Settings** → **Call** → **Call forwarding** → a call type.
- 2 Select a condition.
- 3 Enter a number to which calls will be forwarded and select **Enable**.
Your setting will be sent to the network.

Set call barring

Call barring is a network feature to restrict certain types of calling or to prevent others from making calls with your device.

- 1 In Idle mode, open the application list and select **Settings** → **Call** → **Additional settings** → **Call barring** → a call type.
- 2 Select a call barring option.
- 3 Enter a call barring password and select **OK**.
Your setting will be sent to the network.

Set call waiting

Call waiting is a network feature to alert you of an incoming call while you are on a previous call. This feature is available only for voice calls.

In Idle mode, open the application list and select **Settings** → **Call** → **Additional settings** → **Call waiting**. Your setting will be sent to the network.

› View call logs

You can view logs of your calls filtered by their types.

1 In Idle mode, open the application list and select **Phone** → **Logs**.

2 Press [≡] → **View by** → an option to sort the call logs.

 From the call logs, you can make a call or send a message directly to a contact by quickly flicking the contact to the left or right.

3 Select a log to view its details.

 From the detail view, you can dial the number, send a message to the number or add the number to the phonebook or auto reject list.

Messaging

Learn to create and send text (SMS) or multimedia (MMS) messages, and view or manage messages you have sent or received.

 You may incur additional charges for sending or receiving messages while outside your home service area. For details, contact your service provider.

› Send a text message

1 In Idle mode, open the application list and select **Messaging**.

2 Select .

- 3 Add recipients of your message.
 - Enter phone numbers manually and separate them with a semicolon or a comma.
 - Select phone numbers from the lists by selecting .
- 4 Select **Tap to enter message** and enter your message text.

To insert emoticons, press [≡] → **Insert smiley**.
- 5 Select **Send** to send the message.

➤ Send a multimedia message

- 1 In Idle mode, open the application list and select **Messaging**.
- 2 Select .
- 3 Add recipients of your message.
 - Enter phone numbers or email addresses manually and separate them with a semicolon or a comma.
 - Select phone numbers or email addresses from the lists by selecting .



When you enter an email address, the device will convert the message as a multimedia message.

- 4 Press [≡] → **Add subject** and add a subject for the message.
- 5 Select **Tap to enter message** and enter your message text.

To insert emoticons, press [≡] → **Insert smiley**.
- 6 Select  and add an item.

You can select a file from the file list or create a new photo, video, or sound.
- 7 Select **Send** to send the message.

› View a text or multimedia message

- 1 In Idle mode, open the application list and select **Messaging**.
Your messages are grouped into message threads by contact, like a messenger.
- 2 Select a contact.
- 3 Select a message to view the details.

› Listen to voice mail messages

If you have set missed calls to be diverted to the voice mail server, callers may leave voice messages when you do not answer incoming calls. To access your voice mail inbox and listen to voice mail messages,

- 1 In Idle mode, open the application list and select **Phone** → **Keypad**, and then tap and hold **1**.
 - 2 Follow the instructions from the voice mail server.
-  You must save the voice mail server number before accessing the server. Your service provider can give you the number.

Google Mail

You can retrieve new email messages from Google Mail™ to your Inbox. When you access this application, the Inbox screen appears. The total number of unread messages displays in the title bar and unread messages display in bold.

- 
- This feature may be unavailable depending on your region or service provider.
 - This Google Mail menu may be labelled differently depending on your service provider.

› Send an email message

- 1 In Idle mode, open the application list and select **Google Mail**.
- 2 Select .
- 3 Enter a name or address in the recipient field.
- 4 Enter a subject and message.
- 5 To attach an image file, press [] → **Attach file** → a file.
- 6 Select  to send the message.

› View email messages

- 1 In Idle mode, open the application list and select **Google Mail**.
- 2 Select an email message.

From the message view, use the following options:

- To reply to the message, select .
- To reply to the message including all recipients, select  → **Reply all**.
- To forward the message to other people, select  → **Forward**.
- To view an attachment, select **VIEW**. To save it to your device, select **SAVE**.
- To archive the message, select .
- To delete the message, select .
- To move to the previous or next message, scroll left or right.

› Organise email by labels

You can organise your email by labelling your messages or adding stars to mark important messages. You can sort messages by label filter.

Add a label to a message

- 1 From the Inbox screen, tap and hold a message.
- 2 Select .
- 3 Select a label to add and select **OK**.

Add a star to a message

From the Inbox screen, select ★. The icon next to the message is activated.

Filter messages

- 1 From the Inbox screen, select .
- 2 Select the label of the messages you want to view.

Email

Learn to send or view email messages via your personal or company email account.

› Set up an email account

- 1 In Idle mode, open the application list and select **Email**.
- 2 Enter your email address and password.

3 Select **Next**.

To set up an Exchange ActiveSync account, select **Microsoft Exchange ActiveSync**.

4 Follow the on-screen instructions.

When you are finished setting up the email account, the email messages are downloaded to your device. If you have created more than two accounts, you can switch between email accounts; Select an account name and select one you want to retrieve messages from.

► Send an email message

1 In Idle mode, open the application list and select **Email**.

2 Select .

3 Add recipients of your message.

- Enter email addresses manually and separate them with a semicolon or a comma.
- Select email addresses from the lists by selecting .
- To add more recipients, press [≡] → **Add Cc/Bcc**.

4 Select the subject field to enter a subject.

5 Select the text input field to enter your email text.

6 Select and attach a file.

 You cannot attach Digital Rights Management (DRM)-protected files.

7 Select to send the message.

 If you are offline or outside your service area, the message will be held in the message thread list until you are online and in your service area.

› View an email message

When you open an email account, you can view previously retrieved emails offline or connect to the email server to view new messages. After retrieving email messages, you can view them offline.

- 1 In Idle mode, open the application list and select **Email**.
- 2 Press [≡] → **Refresh** to update the message list.
- 3 Select an email message.

From the message view, use the following options:

- To move to the next or previous message, select  or .
- To reply to the message, select .
- To forward the message to other people, select .
- To delete the message, select .
- To save an attachment to your device, select the attachment tab → .

 The options available may vary depending on the email account.

Talk

Learn to chat with friends and family via Google Talk™.

 This feature may be unavailable depending on your region or service provider.

› Add friends to your friend list

- 1 In Idle mode, open the application list and select **Talk**.
- 2 Select a Google account.

The friend list shows all of your Google Talk contacts at a glance.

3 Select .

4 Enter an email address of the friend and select **DONE**.

When your friend accepts the invitation, the friend is added to your friend list.

› Start a chat

1 In Idle mode, open the application list and select **Talk**.

2 Select a friend from the friend list. The chat screen opens.

3 Enter your message and select .

- To use video chat, select .

- To use voice chat, select .

4 To end the chat, press [] → **End chat**.

Messenger

Learn to send and receive instant messages to friends and family with the Google+ messenger instant messaging service.

1 In Idle mode, open the application list and select **Messenger**.

 If you are launching this application for the first time, follow the on-screen instructions to complete the account setup.

2 Enter and send your message.

Google+

Learn to access the Google's social network service. You can create groups to share interests and thoughts or send and receive instant messages, and upload your photos.

- 1 In Idle mode, open the application list and select **Google+**.
-  If you are launching this application for the first time, follow the on-screen instructions to complete the account setup.
- 2 Select a social network feature.

Social Hub

Learn to access Social Hub™, the integrated communication application for Social Network Service (SNS), email, messages, instant messages, contacts or calendar information. Visit socialhub.samsungapps.com for more details.

- 1 In Idle mode, open the application list and select **Social Hub**.
- 2 Check and use contents delivered from Social Hub.

Entertainment

Camera

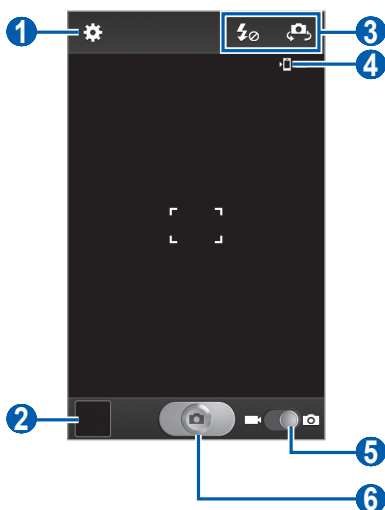
Learn how to capture and view photos and videos.



- The camera automatically turns off when you do not use it for a specified period.
- The memory capacity may differ depending on the shooting scene or shooting conditions.

› Capture a photo

- 1 In Idle mode, open the application list and select **Camera** to turn on the camera.
- 2 Aim the lens at the subject and make any necessary adjustments.



Number	Function
1	Change the camera settings.
2	Open the image viewer to view photos you captured.
3	Use camera shortcuts. • : Change the flash setting. • : Switch between the front and rear camera lenses. You can add or remove shortcuts to frequently used options. ► p. 67
4	View the default storage location.
5	Switch to the camcorder.
6	Capture a photo.

3 Press the Volume key to zoom in or out.

You can also tap the screen with two fingers and spread them apart (move your fingers closer together to zoom out).



The zoom function may be unavailable when shooting in the highest resolution.

4 Tap where you want to focus on the preview screen.

The focus frame moves to the place you tap and changes to green when the subject is in focus.

5 Select  to take a photo.

The photo is saved automatically.

After taking photos, select the image viewer icon to view the taken photos.

- To view more photos, scroll left or right.
- To zoom in, place two fingers on the screen and spread them apart. To zoom out, move your fingers closer together. You can also double-tap the screen.
- To send a photo to others, select **Share**.
- To delete a photo, select **Delete**.
- To set a photo as wallpaper or a caller ID image for a contact, select **More** → **Set as**.
- To rename a photo file, select **More** → **Rename**.

➤ Capture a photo by using preset options for various scenes

Your camera provides you with predefined settings for various scenes. You can simply select the proper mode for your shooting conditions and subjects.

For example, when you take photos at night, select the night mode that uses an extended exposure.

- 1 In Idle mode, open the application list and select **Camera** to turn on the camera.
- 2 Select  → **Scene mode** → a scene → [].
- 3 Make any necessary adjustments.
- 4 Select  to take a photo.

› Capture a photo in Self shot mode

You can take photos of yourself conveniently using the front camera lens.

- 1 In Idle mode, open the application list and select **Camera** to turn on the camera.
- 2 Select  → **Self portrait**.
- 3 Make any necessary adjustments.
- 4 Select  to take a photo.

› Capture a photo in Smile shot mode

Your camera can recognise people's faces and help you take photos of their smiling faces.

- 1 In Idle mode, open the application list and select **Camera** to turn on the camera.
- 2 Select  → **Shooting mode** → **Smile shot**.
- 3 Make any necessary adjustments.
- 4 Select .
- 5 Aim the camera lens at your subject.
Your device recognises people in an image and detects their smiles. When the subject smiles, the device automatically takes a photo.

› Capture a panoramic photo

You can take wide panoramic photos using Panorama shooting mode. This mode is convenient for photographing landscapes.

- 1 In Idle mode, open the application list and select **Camera** to turn on the camera.
- 2 Select  → **Shooting mode** → **Panorama**.
- 3 Make any necessary adjustments.
- 4 Select  to take the first photo.
- 5 Slowly move the device in any direction and align the green frame with the viewfinder.
When you have aligned the green frame and viewfinder, the camera will automatically take the next photo.
- 6 Repeat step 5 to complete the panoramic photo.

› Capture a photo of action

You can capture shots of a moving subject and then combine them into a single photo that shows the action.

- 1 In Idle mode, open the application list and select **Camera** to turn on the camera.
- 2 Select  → **Shooting mode** → **Action shot**.
- 3 Make any necessary adjustments.
- 4 Select  to capture the first photo.
- 5 Move the device to follow the moving subject.
The device automatically captures the next photos.
- 6 Continue to follow the subject until the device has captured all the shots necessary for the action photo.

› Customise camera settings

Before taking a photo, select  to access the following options:

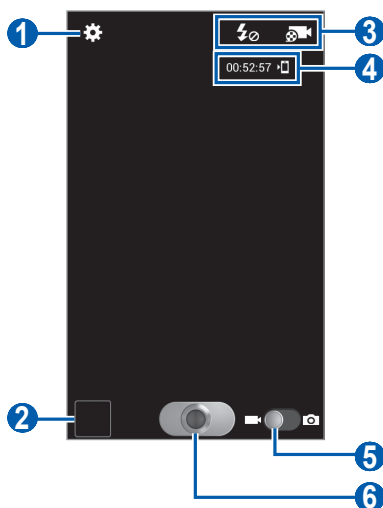
Option	Function
Edit shortcuts	Edit shortcuts to frequently used options.
Self portrait	Switch between the front and rear camera lenses.
Flash	Change the flash setting; You can manually turn the flash on or off, or set the camera to automatically use the flash when needed.
Shooting mode	Change the shooting mode.
Scene mode	Change the scene mode.
Exposure value	Adjust the exposure value.
Focus mode	Take close-up photos or set the camera to focus on the subject or focus on human faces automatically.
Timer	Select the length of the delay before the camera takes a photo.
Effects	Apply a special effect, such as sepia or black and white tones.
Resolution	Change the resolution option.
White balance	Adjust the colour balance according to lighting conditions.
ISO	Adjust the sensitivity of the camera imaging sensor.

Option	Function
Metering	Select a type of exposure metre.
Outdoor visibility	Activate Outdoor visibility to select an appropriate lighting condition.
Auto contrast	Automatically adjust contrast between your subject and background.
Guidelines	Display gridlines on the preview screen.
Image quality	Set the quality level for your photos.
GPS tag	Set the camera to include location information for your photos.  • To improve GPS reception, avoid shooting in locations where the signal may be obstructed, such as between buildings or in lowlying areas, or in poor weather conditions. • Your location may appear on your photos when you upload them to the Internet. To avoid this, deactivate the GPS tag setting.
Storage	Select a memory location for storing captured photos.
Reset	Reset menus and shooting options.

► Record a video

- 1 In Idle mode, open the application list and select **Camera** to turn on the camera.
- 2 Drag the slider to the camcorder to switch to the camcorder.

- 3 Aim the lens at the subject and make any necessary adjustments.



Number	Function
1	Change the camcorder settings.
2	Open the image viewer to view videos you recorded.
3	Use camcorder shortcuts. • : Change the flash setting. • : Change the recording mode. You can add or remove shortcuts to frequently used options. ► p. 67
4	Check the camcorder status. • 00:52:57 : Length of video that can be recorded (according to available memory) • : Default storage location
5	Switch to the camera.
6	Record a video.

4 Press the Volume key to zoom in or out.

You can also tap the screen with two fingers and spread them apart (move your fingers closer together to zoom out).



The zoom function may be unavailable when recording in the highest resolution.

5 Select  to start recording.

6 Select  to stop recording.

The video is saved automatically.



The camcorder may not be able to properly record videos to a memory card with a slow transfer speed.

After recording videos, select the image viewer icon to view the recorded videos.

- To view more videos, scroll left or right.
- To send a video to others, select **Share**.
- To delete a video, select **Delete**.
- To play a video, select  or select **More** → **Play**.
- To rename a video file, select **More** → **Rename**.

► Customise camcorder settings

Before recording a video, select  to access the following options:

Option	Function
Edit shortcuts	Edit shortcuts to frequently used options.
Flash	Change the flash setting.
Recording mode	Change the recording mode.
Exposure value	Adjust the exposure value.

Option	Function
Timer	Select the length of the delay before the camera starts recording a video.
Effects	Apply a special effect, such as sepia or black and white tones.
Resolution	Change the resolution option.
White balance	Adjust the colour balance according to lighting conditions.
Outdoor visibility	Activate Outdoor visibility to select an appropriate lighting condition.
Video quality	Set the quality level for your videos.
Guidelines	Display gridlines on the preview screen.
Storage	Select a memory location for storing recorded videos.
Reset	Reset menus and shooting options.

► Edit the shortcut icons

You can add or remove shortcuts to frequently used options.

- 1 From the preview screen, press [] → **Edit shortcuts** or select  → **Edit shortcuts**.
- 2 Tap and hold an icon from the option list and drag it to the shortcut area.
To remove shortcuts, tap and hold an icon and drag it to the option list.
- 3 Press [] to return to the preview screen.

Video player

Learn to use the video player to play various kinds of videos. The video player supports the following file formats: 3gp, mp4, avi, wmv, flv, mkv.



- Avoid locking the device's screen while playing a DivX Video-On-Demand. Each time you lock the screen while playing a DivX Video-On-Demand, one of your available rental counts will be decremented.
- Some file formats are not supported depending on the software of the device.
- If the file size exceeds the available memory, an error can occur when you open files.

1 In Idle mode, open the application list and select **Video player**.

2 Select a video to play.

3 Control playback with the following icons:

Icon	Function
	Change a ratio of the video screen.
	Play the video on other DLNA devices.
	Restart playback; Skip backward (tap within 3 seconds); Scan backward in a file (tap and hold).
	Pause playback; Select  to resume playback.
	Skip forward; Scan forward in a file (tap and hold).
	Activate the 5.1 channel surround sound system when a headset is connected.
	Adjust the volume.

Gallery

Learn to view photos and play videos saved in your device's memory and memory card.

› Supported file formats

Type	Format
Image	bmp, gif, jpg, png
Video	3gp, mp4, avi, wmv, flv, mkv



- Avoid locking the device's screen while playing a DivX Video-On-Demand. Each time you lock the screen while playing a DivX Video-On-Demand, one of your available rental counts will be decremented.
- Some file formats are not supported depending on the software of the device.
- If the file size exceeds the available memory, an error can occur when you open files.

› View a photo

- 1 In Idle mode, open the application list and select **Gallery**.
- 2 Select a folder.
- 3 To change the view mode, select  or  at the top right of the screen.
- 4 Select a photo (with no icon) to view.

While viewing a photo, use the following options:

- To view more photos, scroll left or right.
- To zoom in, place two fingers on the screen and spread them apart. To zoom out, move your fingers closer together. You can also select  or , or double-tap the screen.



If you activated tilting motions, you can zoom in or out by tapping and holding two points with your fingers and then tilting the device back and forth.

- To send a photo to others, select **Send via**.
- To delete a photo, select **Delete**.
- To share a photo with others via AllShare or social network services, press [Share via.
- To set a photo as wallpaper or a caller ID image for a contact, press [Set as.
- To use additional features with a photo, press [More and use the following options:
 - **Copy**: Copy a photo file.
 - **Print**: Print a photo using a Wi-Fi or USB connection. Your device is compatible only with some Samsung printers.
 - **Crop**: Crop an image from a photo.
 - **Motion**: Access the settings to control motion recognition of your device.
 - **Edit**: Edit the photo. ► p. 71
 - **Rotate left**: Rotate a photo anti-clockwise.
 - **Rotate right**: Rotate a photo clockwise.
 - **Slideshow**: Start a slideshow in the selected folder.
 - **Rename**: Rename a photo file.
 - **Details**: View photo details.

› Play a video

- 1 In Idle mode, open the application list and select **Gallery**.
- 2 Select a video (with the ) to play.
- 3 Control playback with the virtual keys. ▶ p. 68

Photo editor

You can edit photos and apply various effects.

- 1 In Idle mode, open the application list and select **Photo editor**.
- 2 Select **Select picture** → an image.
To take a new photo, select **Capture picture**.
- 3 Select  → **New selection** → **OK**.
 - To add to or subtract from the selection border, select  → **Add to selection** or **Remove from selection**.
 - To reverse the selection, select  → **Inverse selection**.
 - To change the selection size, select .
 - To rotate or flip the image, select .
 - To crop the image, select .
 - To undo or redo your last action, select  or .
- 4 Drag your finger over the area you want to select.
- 5 Select  to apply a colour effect, or select  to apply a filter effect.
To use additional tools, such as copying and warping, select .
- 6 Select a variation of the effect to apply.

- 7 Adjust the image as desired (if necessary) and select **Done**.
- 8 When you are finished, press [⏏] → **Save**.
- 9 Enter a name for the image and select **OK**.

Music player

Learn to listen to your favourite music while on the go with the music player. The music player supports the following file formats: mp3, m4a, mp4, 3gp, 3ga, wma, ogg, oga, aac, flac.



- Some file formats are not supported depending on the software of the device.
- If the file size exceeds the available memory, an error can occur when you open files.

› Add music files to your device

Start by transferring files to your device or memory card:

- Download from the wireless web. ► p. 88
- Download from a PC with Samsung Kies. ► p. 111
- Receive via Bluetooth. ► p. 101
- Synchronise with Windows Media Player 11. ► p. 111
- Copy to your memory card.

› Play music

After transferring music files to your device or memory card,

- 1 In Idle mode, open the application list and select **Music player**.
- 2 Select a music category.
- 3 Select a music file.

4 Control playback with the following icons:

Icon	Function
	Adjust the volume.
	Activate the 5.1 channel surround sound system when a headset is connected.
	Activate Shuffle mode.
	Change the repeat mode (off, repeating a file, or repeating all files).
	Restart playback; Skip backward (tap within 3 seconds); Scan backward in a file (tap and hold).
	Pause playback; Select  to resume playback.
	Skip forward; Scan forward in a file (tap and hold).

► Create a playlist

- 1 In Idle mode, open the application list and select **Music player**.
- 2 Select **Playlists**.
- 3 Press [≡] → **Create**.
- 4 Enter a title for your new playlist and select **Save**.
- 5 Select **Add music**.
- 6 Select the files you want to include and select **Add**.

During playback, you can add files to a playlist by pressing [≡] → **Add to playlist**.

➤ Add songs to the quick list

You can add songs to the quick list and save them as a playlist. During playback, press [⏮] → **Add to quick list** to add the current song to the quick list.

To go to the quick list, from the music library screen, select **Playlists** → **Quick list**. To save the quick list as a playlist, press [⏮] → **Save as playlist**.

➤ Customise music player settings

- 1 In Idle mode, open the application list and select **Music player**.
- 2 Press [⏮] → **Settings**.
- 3 Adjust the following settings to customise your music player:

Option	Function
Equaliser	Select a default equaliser type.
Sound effect	Select a sound effect.
Music menu	Select music categories to display on the music library screen.
Visualisation	Display an animated visualisation during playback.
Lyrics	Set to display lyrics during playback.
Music auto off	Set the music player to turn off automatically after a specific period of time.

FM radio

Learn to listen to music and news on the FM radio. To listen to the FM radio, you must connect a headset, which serves as the radio antenna.

► Listen to the FM radio

- 1 Plug a headset into the device.
- 2 In Idle mode, open the application list and select **FM radio**.

The FM radio scans and saves available stations automatically.

 The first time you turn on the FM radio, it will start automatic tuning.

- 3 Select the radio station you want from the all station list and press [↵] to return to the FM radio screen.
- 4 Control the FM radio with the following keys:



Number	Function
1	Turn the FM radio on or off.
2	Search for an available radio station.

Number	Function
3	Add the current radio station to the favourites list.
4	Adjust the volume.
5	Fine-tune the frequency.

› Save a radio station automatically

- 1 Plug a headset into the device.
- 2 In Idle mode, open the application list and select **FM radio**.
- 3 Press [F≡] → **Scan** → a scanning option.
The FM radio scans and saves available stations automatically.
- 4 Select the radio station you want from the all station list and press [↩] to return to the FM radio screen.

› Add a radio station to the favourites list

- 1 Plug a headset into the device.
- 2 In Idle mode, open the application list and select **FM radio**.
- 3 Select  to turn on the FM radio.
- 4 Scroll to the radio station you want.
- 5 Select  to add the radio station to the favourites list.

› Customise FM radio settings

- 1 In Idle mode, open the application list and select **FM radio**.
- 2 Press [≡] → **Settings**.
- 3 Adjust the following settings to customise your FM radio:

Option	Function
Background playing	Set whether or not to run the FM radio in the background while using other applications. If this feature is on, you can control the FM radio from the notifications panel.
Show station ID	Set whether or not to show the station ID on the FM radio screen; Station IDs are available only from radio stations that provide this information.
Alternative frequency	Set whether or not the FM radio attempts to retune a radio station when the signal is weak.
FM auto off	Set the FM radio to automatically turn off after a specified length of time.

Game Hub

Learn to play social and premium games.

- 1 In Idle mode, open the application list and select **Game Hub**.
- 2 If you are launching this application for the first time, select the check box next to **Do not show for 90 days** and select **Confirm**.
- 3 Select a service.
- 4 Select and install a game.
- 5 Follow the on-screen instructions.



- Available games may vary depending on your region or service provider.
- Controls and options of games may vary.

Personal information

Contacts

Learn to create and manage a list of your personal or business contacts. You can save names, mobile phone numbers, home phone numbers, email addresses, birthdays and more for your contacts.

› Create a contact

- 1 In Idle mode, open the application list and select **Contacts**.
- 2 Select .
- 3 Select a memory location.
If you have more than one account, select an account to which you want to add the contact.
- 4 Enter contact information.
- 5 Select  to add the contact to memory.

You can also create a contact from the dialling screen.

- 1 In Idle mode, open the application list and select **Phone** → **Keypad**.
- 2 Enter a phone number.
- 3 Select **Add to Contacts** → **Create contact**.
- 4 Select a memory location (if necessary).
If you have more than one account, select an account to which you want to add the contact.

- 5 Enter contact information.
- 6 Select  to add the contact to memory.

› Find a contact

- 1 In Idle mode, open the application list and select **Contacts**.
- 2 Scroll up or down on the contact list.
You can also drag your finger along the index on the right side to quickly scroll through the list.
- 3 Select a contact's name.

Once you find a contact, you can use the following options:

- To call the contact, select  or .
- To send a message, select .
- To send an email message, select .
- To edit the contact information, select .
- To set the contact as your favourites, select .

› Set a speed dial number

- 1 In Idle mode, open the application list and select **Contacts**.
- 2 Press [Speed dial setting.
- 3 Select a location number → a contact.
- 4 Select a phone number (if necessary).

 You can quickly dial this number by tapping and holding the location number from the dialling screen.

› Create your namecard

- 1 In Idle mode, open the application list and select **Contacts**.
- 2 Select your name at the top of the contact list.
- 3 Select .
- 4 Enter your own personal details.
- 5 Select .



You can send your namecard by attaching it to a message or email or transferring it via the Bluetooth wireless feature.

› Create a group of contacts

By creating groups of contacts, you can manage multiple contacts and send messages or email to an entire group. Start by creating a group.

- 1 In Idle mode, open the application list and select **Contacts** → **Groups**.
- 2 Press [] → **New**.
- 3 Enter a name and select a ringtone for the group.
- 4 Select **Add member**, select contacts to add to the group, and select .
- 5 Select .

› Copy contacts

To copy contacts from the SIM or USIM card to your device,

- 1 In Idle mode, open the application list and select **Contacts**.
- 2 Press [] → **Import/Export** → **Import from SIM card**.

3 Select a memory location.
If you have more than one account, select an account to which you want to add the contact.

4 Select contacts to copy and select .

To copy contacts from your device to the SIM or USIM card,

1 In Idle mode, open the application list and select **Contacts**.

2 Press [] → **Import/Export** → **Export to SIM card**.

3 Select contacts to copy and select  → **OK**.

► Import or export contacts

You can import or export files (in vcf format) to or from your device's USB storage or a memory card.

Import contact files

1 In Idle mode, open the application list and select **Contacts**.

2 Press [] → **Import/Export** → **Import from USB storage** or **Import from SD card**.

3 Select a memory location.

If you have more than one account, select an account to which you want to add the contact.

4 Select an option for importing a single contact file, multiple contact files, or all contact files, and select **OK**.

5 Select contact files to import and select **OK**.

Export contacts

- 1 In Idle mode, open the application list and select **Contacts**.
- 2 Press [≡] → **Import/Export** → **Export to USB storage** or **Export to SD card**.
- 3 Select **OK** to confirm.

Calendar

Learn to create and manage daily, weekly or monthly events, and set alarms to remind yourself of important events.

› Create an event

- 1 In Idle mode, open the application list and select **Calendar**.
- 2 Select **Tap to create event** or press [≡] → **Create event**.
- 3 If alert messages about the calendar sync appear, select **OK**.
- 4 Enter the details of the event as required.
- 5 Select **Save**.

› View events

To change the calendar view,

- 1 In Idle mode, open the application list and select **Calendar**.
- 2 Select a view mode from the top of the calendar.

To view events of a specific date,

- 1 In Idle mode, open the application list and select **Calendar**.
- 2 Select a date on the calendar. In month view, days with scheduled events are indicated by a small square.
 - To move to a specific day by entering a date manually, press [≡] → **Go to**, enter the date by selecting + or -, and select **Set**.
 - To select today's date, press [≡] → **Today**.
- 3 Select an event to view its details.



You can send the event to others by pressing [≡] → **Send via** → an option.

› Stop an event alarm

If you set an alarm for a calendar event, the event alarm icon will appear at the specified time.

- 1 Open the notifications panel from the top of the screen.
- 2 Select the event notification.
- 3 Select an event to view more details.

To snooze the event alarm, select the check box next to the event and select **Snooze**.

Task

Learn to create a task list and set alarms to remind yourself of important tasks or set priority.

› Create a task

- 1 In Idle mode, open the application list and select **Task**.
- 2 Select **Create task** or press [≡] → **Create task** to create a task.
- 3 Enter the details of the task.
- 4 Select **Save**.

› View a task

- 1 In Idle mode, open the application list and select **Task**.
 - 2 Press [≡] → **List by** → an option to sort the tasks.
 - 3 Select a task to view its details.
For completed tasks with an expired deadline, you can set their status to completed by selecting the check box.
-  You can send the task to others by pressing [≡] → **Share** → an option.

Memo

Learn to record important information to save and view at a later date.

› Create a memo

- 1 In Idle mode, open the application list and select **Memo**.
- 2 If there is a memo saved, select **Create memo** or press [≡] → **Create** to create a memo.
- 3 Enter your memo text and select **Save**.

› View memos

- 1 In Idle mode, open the application list and select **Memo**.
- 2 Press [F≡] → **Search** or press and hold [F≡] to search for a memo (if necessary).
- 3 Select a memo to view its details.
To use additional features with a memo, select .

Option	Function
	Edit the memo.
	Delete the memo.
	Change the colour of the memo.
	Lock the memo.
	Print the memo using a Wi-Fi or USB connection. Your device is compatible only with some Samsung printers.

 You can send the memo to others by tapping and holding the memo and selecting **Send**.

Voice recorder

Learn to operate your device's voice recorder.

› Record a voice memo

- 1 In Idle mode, open the application list and select **Voice recorder**.
- 2 Select **Record** to start recording.
- 3 Speak into the microphone.

- 4 When you are finished, select **Stop**.
Your memo is saved automatically.
- 5 To record more voice memos, select **Record** again.

▶ Play a voice memo

- 1 In Idle mode, open the application list and select **Voice recorder**.
 - 2 Select **List**.
 - 3 Select a voice memo to play.
-  You can send the voice memo to others by pressing [≡] → **Share**.

Web

Web services require a data connection. Contact your operator to choose the best data plan.

Internet

Learn to access and bookmark your favourite web pages.

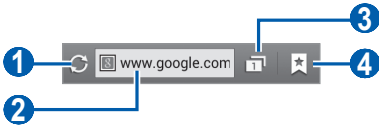


- You may incur additional charges for accessing the web and downloading media. For details, contact your service provider.
- Available icons may vary depending on your region or service provider.

› Browse web pages

1 In Idle mode, open the application list and select **Internet** to launch a specified homepage.
To access a specific web page, select the URL input field, enter the web address (URL) of the web page, and select **Go**.

2 Navigate web pages with the following keys:



Number	Function
1	Reload the current web page. While the device is loading web pages, this icon changes to  .
2	Enter the web address of a web page to access.

Number	Function
3	View thumbnails of active browser windows.
4	Open a list of saved bookmarks, saved pages and recent internet history.

While browsing the web page, use the following options:

- To zoom in or out, tap the screen with two fingers and spread them apart (move your fingers closer together to zoom out).



If you activated tilting motions, you can zoom in or out by tapping and holding two points with your fingers and then tilting the device back and forth.

- To go to a next page in history, press [≡] → **Forward**.
- To open a new window, press [≡] → **New window**.
- To bookmark the current web page, press [≡] → **Add bookmark**.
- To add a shortcut for the current web page to the Home screen, press [≡] → **Add shortcut to home**.
- To send the web address (URL) of the web page to others, press [≡] → **Share page**.
- To search for text on the web page, press [≡] → **Find on page**.
- To switch to desktop view, press [≡] → **Desktop view**.
- To save current web page and read it on offline later, press [≡] → **Save for offline reading**. You can view the saved pages by selecting ☆ → **Saved pages**.
- To adjust the brightness of the screen, press [≡] → **Brightness**.

- To view the download history, press [≡] → **Downloads**.
- To print the current web page or screen via a Wi-Fi or USB connection, press [≡] → **Print**. Your device is compatible only with Samsung printers.
- To customise the browser settings, press [≡] → **Settings**.

➤ Search for information by voice



This feature may be unavailable depending on your region or service provider.

- 1 In Idle mode, open the application list and select **Internet**.
- 2 Select the URL input field.
- 3 Select  and say a keyword into your device's microphone. The device searches for information and web pages related with the keyword.

➤ Bookmark your favourite web pages

If you know the web address of the web page, you can manually add a bookmark. To add a bookmark,

- 1 In Idle mode, open the application list and select **Internet**.
- 2 Select  → **Bookmarks**.
- 3 Select **Add bookmark**.
To bookmark the web page you were viewing, skip to step 5.
- 4 Enter a page title and a web address (URL).
- 5 Select **Save**.

From the bookmark list, tap and hold a bookmark and use the following options:

- To open the web page in the current window, select **Open**.
- To open the web page in a new window, select **Open in new window**.
- To edit the bookmark details, select **Edit bookmark**.
- To add the bookmark shortcut to the idle screen, select **Add shortcut to home**.
- To send the web address (URL) of the web page to others, select **Share link**.
- To copy the web address (URL) of the web page, select **Copy link URL**.
- To delete the bookmark, select **Delete bookmark**.
- To use the web page as your homepage of the browser, select **Set as homepage**.

› Access the recent history

- 1 In Idle mode, open the application list and select **Internet**.
- 2 Select  → **History**.
- 3 Select a web page to access.



You can add a web page to the bookmark list by selecting .

Maps

Learn to use Google Maps™ to find your location, search the online map for streets, cities, or countries, and get directions.



This feature may be unavailable depending on your region or service provider.

› Search for a specific location

- 1 In Idle mode, open the application list and select **Maps**.
The map will display your current location.
- 2 Select .
- To search for a place around you, select .
- 3 Enter a keyword for the location and select .
- To search for a location by voice, select .
- 4 Select the location you want to view details.
 - To view a list of all results for your search, select **RESULTS LIST**.
 - To view your current location, select .
 - To switch to a compass view of the map that changes orientation when you move the device, select .
 - To add a star to the location, select the balloon of the location name → .

› Get directions to a specific destination

- 1 In Idle mode, open the application list and select **Maps**.
- 2 Select .
- 3 Enter the addresses of the starting location and the ending location.
To enter an address from your contact list or starred places, or point the location on the map, select  → **Contacts**, **Point on map**, or **My Places**.
- 4 Select a travel method (car, bus, or walk) and select **GET DIRECTIONS**.
Depending on the selected travel method, you may see multiple routes.

- 5 Select a route to view details of your trip and select **MAP VIEW** to view the route on the map.
- 6 Select  or  to view only a single part of the route.
- 7 When you are finished, press [>] → **Clear Map**.

Latitude

Learn to share your location with your friends and view friends' locations via Google Latitude™.



This feature may be unavailable depending on your region or service provider.

- 1 In Idle mode, open the application list and select **Latitude**. The device automatically joins Latitude.
- 2 Select  → **Select from Contacts** or **Add via email address**.
- 3 Select a friend you want to add, or enter an email address and select **Add friends**.
- 4 Select **Yes**.
When your friend accepts your invitation, you can share locations.
- 5 Select **MAP VIEW**.
Your friends' locations are marked with their photos on the map.

Local

Learn to search for a place around you.



This feature may be unavailable depending on your region or service provider.

- 1 In Idle mode, open the application list and select **Local**.
- 2 Select a category.
Your device searches for places around your current location that are related to the category.
- 3 Select a place name to view its details.
- 4 To view the place on the map, select **Map**.
To view the route to the place, select **Directions**.
To view the phone number of the place, select **Call**.

Navigation

Learn to use the GPS navigation system to find and show your destination with voice guidance.



- Navigation maps, your current location, and other navigational data may differ from actual location information. You should always pay attention to road conditions, traffic, and any other factors that may affect your driving and follow all safety warnings and regulations while driving.
- This feature may be unavailable depending on your region or service provider.

- 1 In Idle mode, open the application list and select **Navigation**.
- 2 If you are launching this application for the first time, select **Accept**.

- 3 Enter your destination by using one of the following methods:
 - Enter your destination by voice.
 - Enter your destination with the virtual keypad.
 - Select your destination from contacts' addresses.
 - Select your destination from your starred places.

YouTube

Learn to view and share videos via YouTube.



This feature may be unavailable depending on your region or service provider.

› Watch videos

- 1 In Idle mode, open the application list and select **YouTube**.
- 2 Select a video from the list.
- 3 Rotate the device to landscape view.
- 4 Control playback with the icons on the screen.

› Share videos

- 1 In Idle mode, open the application list and select **YouTube**.
- 2 Select a video.
- 3 Select  → an option.

› Upload videos

- 1 In Idle mode, open the application list and select **YouTube**.
 - 2 Select your Google account if it is linked to YouTube.
 - 3 Select  → a video.
-  If you are uploading a video for the first time, select a network type to upload a video.
- 4 Enter details of the upload and select **Upload**.

Samsung Apps

Samsung Apps allows you to simply and easily download an abundance of applications directly to your device. Featuring a wealth of games, news, reference, social networking, navigation, health related applications and more, Samsung Apps gives you instant access to a huge choice of mobile experience.

Your device gets smarter with fully optimised applications from Samsung Apps. Explore amazing applications and make your mobile life even better.

-  • The feature may be unavailable depending on your region or service provider.
- For details, please visit www.samsungapps.com.

- 1 In Idle mode, open the application list and select **Samsung Apps**.
- 2 If you are launching this application for the first time, select **Accept**.
- 3 Search for and download applications as desired.

Play Store

You can download games, ringtones, or other applications from Play Store.



This feature may be unavailable depending on your region or service provider.

- 1 In Idle mode, open the application list and select **Play Store**.
- 2 Search for a file and download it to the device. ► p. 39

Readers Hub

Learn to access various reading materials.



Some features may be currently unavailable.

- 1 In Idle mode, open the application list and select **Readers Hub**.
- 2 If you are launching this application for the first time, select the check box next to **Do not show for 90 days** and select **Confirm**.
- 3 Select an image of reading material.
- 4 Search for and download reading material from the online store.

News & Weather

Learn to view the weather information and read top news and other news articles.

› View the weather information

- 1 In Idle mode, open the application list and select **News & Weather**.
 - 2 Select **WEATHER** at the top of the screen.
Your device searches for your current location and displays the weather information.
-  You can change the location to view the weather information in another region. Press [≡] → **Settings** → **Weather settings** and clear the check box next to **Use My Location**. Then select a location in **Set location**.

› Read news articles

- 1 In Idle mode, open the application list and select **News & Weather**.
 - 2 Scroll left to a news topic at the top of the screen.
 - 3 Select an article to open it.
-  To add news topics, press [≡] → **Settings** → **News settings** → **Select news topics**.

Connectivity

Bluetooth

Bluetooth is a short-range wireless communications technology capable of exchanging information over a distance of about 10 m without requiring a physical connection.

You do not need to line up the devices to beam information with Bluetooth. If the devices are within range of one another, you can exchange information between them even if they are located in different rooms.



- Samsung is not responsible for the loss, interception, or misuse of data sent or received via the Bluetooth wireless feature.
- Always ensure that you share and receive data with devices that are trusted and properly secured. If there are obstacles between the devices, the operating distance may be reduced.
- Some devices, especially those that are not tested or approved by Bluetooth SIG, may be incompatible with your device.
- Do not use the Bluetooth feature for illegal purposes (for example, pirating copies of files or illegally tapping communications for commercial purposes). Samsung is not responsible for the repercussions of illegal use of the Bluetooth feature.

➤ Turn on the Bluetooth wireless feature

In Idle mode, open the application list and select **Settings**, and then select **OFF** next to **Bluetooth**.

› Find and pair with other Bluetooth-enabled devices

1 In Idle mode, open the application list and select **Settings** → **Bluetooth** → **Scan for devices**.

2 Select a device.

3 Enter a PIN for the Bluetooth wireless feature or the other device's Bluetooth PIN, if it has one, and select **OK**. Alternatively, select **OK** to match the PIN between your device and the device.

When the owner of the other device enters the same PIN or accepts the connection, pairing is complete. If the pairing is successful, the device will automatically search for available services.



Some devices, especially headsets or hands-free car kits, may have a fixed Bluetooth PIN, such as 0000. If the other device has a PIN, you must enter it.

› Send data using the Bluetooth wireless feature

1 Select a file or item, such as a contact, calendar event, memo, or media file, from an appropriate application or My files.

2 Select an option for sending data via Bluetooth.



The method for selecting an option may vary by data type.

3 Search for and pair with a Bluetooth-enabled device.

› Receive data using the Bluetooth wireless feature

- 1 In the application list, select **Settings** → **Bluetooth** and then select the check box next to your device.
 To select the length of time that your device will be visible, press [≡] → **Visible time-out**.
- 2 When prompted, enter the PIN for the Bluetooth wireless feature and select **OK**. Alternatively, select **OK** to match the PIN between your device and the device (if necessary).
- 3 Select **Accept** to confirm that you are willing to receive data from the device.

Received data is saved to the bluetooth folder. If you receive a contact, it is automatically saved to the phonebook.

Wi-Fi

Learn to use your device's wireless networking capabilities to activate and connect to any wireless local area network (WLAN) compatible with the IEEE 802.11 a/b/g/n standards.

You can connect to the internet or other network devices anywhere an access point or wireless hotspot is available.

-  Your device uses a non-harmonised frequency and is intended for use in all European countries. The WLAN can be operated in the EU without restriction indoors, but cannot be operated outdoors.

› Activate the Wi-Fi feature

In Idle mode, open the application list and select **Settings**, and then select **OFF** next to **Wi-Fi**.



Wi-Fi running in the background will consume battery power. To preserve battery power, activate the feature only when needed.

› Find and connect to a Wi-Fi AP

1 In Idle mode, open the application list and select **Settings** → **Wi-Fi**.

The device will automatically search for available Wi-Fi APs.

2 Select a network.

3 Enter a password for the network (if necessary).

4 Select **Connect**.

› Add a Wi-Fi AP manually

1 In Idle mode, open the application list and select **Settings** → **Wi-Fi** → **Add network**.

2 Enter the SSID for the network and select the security type.

3 Set the security settings depending on the selected security type.

4 Select **Save**.

➤ Connect to a Wi-Fi AP using a Wi-Fi Protected Setup (WPS)

Using WPS, you can connect to a secured network.

To connect to a Wi-Fi AP with a WPS button,

- 1 In Idle mode, open the application list and select **Settings** → **Wi-Fi**.
- 2 Select a network indicated as protected network available, and select the check box next to **Show advanced options**.
- 3 Select the **WPS** drop-down menu.
- 4 Select **Push button** → **Connect**.
- 5 Press a WPS button on the access point within 2 minutes.

To connect to a Wi-Fi AP with a WPS PIN,

- 1 In Idle mode, open the application list and select **Settings** → **Wi-Fi**.
- 2 Select a network indicated as protected network available, and select the check box next to **Show advanced options**.
- 3 Select the **WPS** drop-down menu.
- 4 Select **PIN from access point** to enter a WPS PIN of the AP or select **PIN from this device** to use a WPS PIN of your device.
- 5 Select **Connect**.
- 6 On the AP, press the WPS button or enter the PIN of your device.

› Set the static IP settings

- 1 In Idle mode, open the application list and select **Settings** → **Wi-Fi**.
- 2 Select a network, and select the check box next to **Show advanced options**.
- 3 Select the **IP settings** drop-down menu.
- 4 Select **Static**.
- 5 Change the IP settings for the access point, such as IP address, Network prefix length, Gateway, and DNS.
- 6 Select **Connect**.

Wi-Fi Direct

Learn to use the Wi-Fi Direct feature to connect two devices via Wi-Fi without requiring an access point.

› Connect your device to another device

- 1 In Idle mode, open the application list and select **Settings** → **More...** → **Wi-Fi Direct**.
- 2 Select **OFF** next to **Wi-Fi Direct** and then select **OK**.
- 3 Select **Scan**.
- 4 Select a device.
When the owner of the other device accepts the connection, pairing is complete.

› Send data via Wi-Fi

1 Select a file or item, such as a memo, media file, or web address, from an appropriate application or **My files**.

2 Select an option for sending data via Wi-Fi.



The method for selecting an option may vary by data type.

3 Search for and select another device.

› Receive data via Wi-Fi

When you receive data, it is saved to your device automatically. Received data is saved to the ShareViaWifi folder.

AllShare

Learn to use the Digital Living Network Alliance (DLNA) service that enables you to share media files between DLNA-enabled devices in your home over Wi-Fi.



- The supported file formats may vary depending on the software of the device.
- Some files may not play on the DLNA-enabled devices depending on the devices.

› Customise DLNA settings for sharing media files

To allow other DLNA-enabled devices to access media files on your device, you must activate media sharing.

1 In Idle mode, open the application list and select **AllShare**.

2 Press [≡] → **Settings**.

- 3 Adjust the following settings to customise the DLNA feature:

Option	Function
Device name	Enter a name for your device as a media server.
Share videos	Turn on video sharing with other DLNA-enabled devices.
Share photos	Turn on image sharing with other DLNA-enabled devices.
Share music	Turn on music sharing with other DLNA-enabled devices.
Upload from other devices	Set whether or not to accept the upload from other devices.
Default memory	Select the default memory location for saving downloaded media files.
Subtitles	Set to display subtitles.

► Play your files on another DLNA-enabled device

- 1 In Idle mode, open the application list and select **AllShare**.
- 2 Select **My device**.
- 3 Select a media category and a file.
- 4 Select a player—the one that will play the media file. Playback begins at the selected player.
- 5 Control playback using icons of your device.



Playback may be buffered, depending on the network connection and the connected server.

› Play files of one device on the other device

- 1 In Idle mode, open the application list and select **AllShare**.
- 2 Select **Remote device**.
Your device automatically searches for DLNA-enabled devices.
- 3 Select a device as the media server—the one that contains media files.
- 4 Select a media category and a file.
- 5 Select a player—the one that will play the media file.
Playback begins at the selected player.
- 6 Control playback using icons of your device.

Mobile network sharing

Learn to set your device as a wireless modem or wireless access point for PCs or other devices, and share your device's mobile network connection.

› Share your device's mobile network via Wi-Fi

- 1 In Idle mode, open the application list and select **Settings** → **More...** → **Tethering and portable hotspot**.
- 2 Select **Portable Wi-Fi hotspot** to activate the Wi-Fi tethering feature.

- 3 Select **Configure portable Wi-Fi hotspot** to configure network settings to use your device as an access point:

Option	Function
Network SSID	View and edit the device name that will be shown to external devices.
Security	Select the security type.
Password	Enter a password to prevent unapproved access to your mobile network. This option is available only when you set the security option.

- 4 When you are finished, select **Save**.
- 5 From another device, locate your device's name in the available connection list and connect to the network. Your device shares the mobile network connection with the other device.

► Share your device's mobile network via USB

- 1 Using a USB cable, connect the multifunction jack on your device to a PC.
- 2 In Idle mode, open the application list and select **Settings** → **More...** → **Tethering and portable hotspot**.
- 3 Select **USB tethering** to activate the USB tethering feature. Your device shares the mobile network connection on your PC. To stop sharing the network connection, clear the check box next to **USB tethering**.



The sharing method for the network connection may differ depending on the PC's operating system.

› Share your device's mobile network via the Bluetooth wireless feature

- 1 In Idle mode, open the application list and select **Settings** → **More...** → **Tethering and portable hotspot**.
- 2 Select **Bluetooth tethering** to activate the Bluetooth tethering feature.
- 3 On another device, find and pair with your device. Ensure that you have activated the Bluetooth feature and the visibility setting.

GPS

Your device is equipped with a global positioning system (GPS) receiver. Learn to activate location services.

To receive better GPS signals, avoid using your device in the following conditions:

- between buildings, in tunnels or underground passages, or inside buildings
- in poor weather
- around high voltage or electromagnetic fields
- in a vehicle with sun protection film

 Do not touch or cover the area around the antenna with your hands or other objects while using the GPS functions.

 This feature may be unavailable depending on your region or service provider.

› Activate location services

You must activate location services to receive location information and search the map.

- 1 In Idle mode, open the application list and select **Settings** → **Location services**.

2 Adjust the following settings to activate location services:

Option	Function
Google's location service	Set to use Wi-Fi and/or mobile networks for finding your location.
GPS satellites	Set to use the GPS satellite for finding your location.
Use sensor aiding	Use sensors to enhance pedestrian positioning when the GPS signal is obstructed. There may be variations between the sensor estimates and your actual location.
Location and Google search	Set the device to use your current location for Google search and other Google services.

PC connections

Learn to connect your device to a PC with a USB cable in USB connection modes. By connecting the device to a PC, you can synchronise files with Windows Media Player, transfer data to and from your device directly and use the Samsung Kies program.

 Do not disconnect the USB cable from a computer while the device is transferring or accessing data. Doing so may result in data loss or damage to the device.

 For best results, connect the USB cable directly to a USB port on a computer. Data transfers may fail when using a USB hub.

› Connect with Samsung Kies

Ensure that Samsung Kies is installed on your PC. You can download the program from the Samsung website.

- 1 Using a USB cable, connect the multifunction jack on your device to a PC.
- 2 Double-click the Samsung Kies icon on your PC to launch Samsung Kies.
- 3 Copy files from the PC to the device.
Refer to the Samsung Kies help for more information.

› Synchronise with Windows Media Player

Ensure that Windows Media Player is installed on your PC.

- 1 Using a USB cable, connect the multifunction jack on your device to a PC with Windows Media Player installed.
When connected, a pop-up window will appear on the PC.
- 2 Open Windows Media Player to synchronise music files.
- 3 Edit or enter your device's name in the pop-up window (if necessary).
- 4 Select and drag the music files you want to the sync list.
- 5 Start synchronisation.

› Connect as a mass storage device

You can connect your device to a PC as a removable disk and access the file directory. If you insert a memory card in the device, you can access the file directory of the memory card by using the device as a memory card reader.



The file directory of the memory card will appear as a removable disk, separate from the internal memory.

- 1 If you want to transfer files from or to a memory card, insert a memory card into the device.
- 2 In Idle mode, open the application list and select **Settings** → **More...** → **USB utilities** → **Connect storage to PC**.
- 3 Using a USB cable, connect the multifunction jack on your device to a PC.
- 4 When connected, select **Turn on USB storage**.
- 5 Select **OK** to confirm (if necessary).
- 6 Open the folder to view files.
- 7 Copy files from the PC to the memory card.
- 8 When you are finished, select **Turn off USB storage**.



To disconnect the device from the PC, click the USB device icon on the Windows task bar and click the option to safely remove the mass storage device. Then remove the USB cable from the PC. Otherwise, you may lose data stored on the memory card or damage the memory card.

➤ Connect as a media device

You can connect your device to a computer and access media files stored on your device.

- 1 Connect your device to a computer with a USB cable.
- 2 Tap the indicator icons area and drag it downwards to open the notifications panel.
- 3 Select **Connected as a media device** → **Media device (MTP)**.
- 4 Transfer files between your device and the computer.

› Connect as a camera device

You can connect your device to a computer as a camera and access files in your device.



Use this USB connection mode when your computer does not support the media transfer protocol (MTP) or does not have the USB driver for your device installed.

- 1 Connect your device to a computer with a USB cable.
- 2 Tap the indicator icons area and drag it downwards to open the notifications panel.
- 3 Select **Connected as a media device** → **Camera (PTP)**.
- 4 Transfer files between your device and the computer.

VPN connections

You can create virtual private networks (VPN) and connect to your private network securely through a public network, such as the internet.



- Your device should already be configured with internet access. If you have trouble accessing the internet, you need to edit connections. If you are not sure about the connection information to enter, ask your service provider.
- To use this feature, you must activate the screen lock feature.

› Set up VPN connections

- 1 In Idle mode, open the application list and select **Settings** → **More...** → **VPN**.
- 2 Select **Add VPN network**.
- 3 Customise the connection information.



Available options may vary depending on the VPN type.

Option	Function
Name	Enter a name of the VPN server.
Type	Select a VPN type.
Server address	Enter the address of the VPN server.
L2TP secret	Set to use the L2TP secret password.
IPSec identifier	Enter a user name.
IPSec pre-shared key	Enter a pre-shared key.
IPSec user certificate	Select a user certificate that the VPN server uses to identify you. You can import certificates from the VPN server or download from the web.
IPSec CA certificate	Select a certificate authority (CA) certificate that the VPN server uses to identify you. You can import certificates from the VPN server or download from the web.

Option	Function
IPSec server certificate	Select a server certificate that the VPN server will use to identify you. You can import certificates from the VPN server or download them from the Internet.
PPP encryption (MPPE)	Set to encrypt data before sending it to the VPN server.
Show advanced options	Set to change the advanced network settings.

4 When you are finished, select **Save**.

➤ Connect to a private network

- 1 In Idle mode, open the application list and select **Settings** → **More...** → **VPN**.
- 2 Select a private network.
- 3 Enter the user name and password and select **Connect**.

Tools

Clock

Learn to set and control alarms and world clocks. You can also use the stopwatch, count-down timer, and the desk clock.

› Set a new alarm

- 1 In Idle mode, open the application list and select **Clock** → **Alarm**.
- 2 Select **Create alarm** or press [] → **Create**.
- 3 Set alarm details.
Select the check box next to **Smart alarm** to activate simulated nature sounds with the alarm screen prior to the main alarm.
- 4 When you are finished, select **Save**.

› Stop an alarm

When the alarm sounds,

- To stop the alarm, select  and then drag your finger outside of the large circle.
- To repeat the alarm after a specified length of time, select  and then drag your finger outside of the large circle.

› Delete an alarm

- 1 In Idle mode, open the application list and select **Clock** → **Alarm**.
- 2 Press [] → **Delete**.
- 3 Select alarms to delete.
- 4 Select **Delete**.

› Create a world clock

- 1 In Idle mode, open the application list and select **Clock** → **World clock**.
- 2 Select **Add city** or press [≡] → **Add**.
- 3 Enter a city name or select one from the city list.
To select a city in the world map view, select .
- 4 To add more world clocks, repeat steps 2-3.



To apply the summer time to the clocks, tap and hold a clock and select **DST settings**.

› Use the stopwatch

- 1 In Idle mode, open the application list and select **Clock** → **Stopwatch**.
- 2 Select **Start** to begin the stopwatch.
- 3 Select **Lap** to record lap times.
- 4 When you are finished, select **Stop**.
- 5 Select **Reset** to clear recorded times.

› Use the count-down timer

- 1 In Idle mode, open the application list and select **Clock** → **Timer**.
- 2 Set the length of time to count down.
- 3 Select **Start** to begin the countdown.
- 4 When the timer expires, select  and then drag your finger outside of the large circle to stop the alarm.

➤ Use the desk clock

The desk clock displays the current time and date, and weather.

- 1 In Idle mode, open the application list and select **Clock** → **Desk clock**.
- 2 Select  to set an idle clock.
- 3 Press [] → **Settings**.
- 4 Change the following options:

Option	Function
Hide status bar	Set whether to show the status bar at the top of the screen.
Wallpaper	Select a background image for the idle clock.
Time/Calendar display	Set to display the clock or calendar.
AccuWeather	Set to display the weather for your current location. You can also set the desk clock to be automatically updated with latest information and select a temperature unit.
Brightness	Set the brightness of the display.
Dock Settings	Set to use the connected dock's speaker when your device is connected to a car or desktop dock.

Calculator

Learn to perform mathematical calculations directly on your device like a typical hand-held or desktop calculator.

› Perform the calculation

- 1 In Idle mode, open the application list and select **Calculator**.
 - 2 Use the keys that correspond to the calculator display to perform basic mathematical operations.
-  Rotate the device to landscape view to use the scientific calculator. If you deactivate the auto rotation, press [⌂] → **Scientific calculator**.

› View the calculation history

- 1 In Idle mode, open the application list and select **Calculator**.
- 2 Perform the calculation.
- 3 Select  to close the calculator keypad.
The calculation history appears.
- 4 To clear the history, press [⌂] → **Clear history**.

Downloads

Learn to manage logs of files you have downloaded from the web and email.

- 1 In Idle mode, open the application list and select **Downloads**.

- 2 Select a download folder.
- 3 To open a file, select the log.
To delete a log, select the check box and then select .

Kies air

Kies air allows you to connect your device to another device via Wi-Fi. From a browser, you can view and control media files, contacts, messages, and any other data saved on your device.

› Customise Kies air settings

- 1 In Idle mode, open the application list and select **Kies air**.
- 2 Press [] → **Settings**.
- 3 Change the following options:

Option	Function
Device name	View or edit your device name.
Access request	Set to receive authorisation requests from other devices while using Kies air.
Enable visibility	Set the device to be visible to other devices.
Time-out	Select the length of time the device waits before ending the connection.
Lock contents	Select the types of data that should not display on other devices.
Reset settings	Reset your settings to the factory default values.

› Connect your device to another device via Wi-Fi

- 1 In Idle mode, open the application list and select **Kies air** → **Start**.
- 2 Enter the web address displayed by Kies air in the browser on the other device.
- 3 Select **Allow** (if necessary).
When connected, you will see your device data on the other device.
- 4 To end the connection, select **Stop**.

Mini diary

Learn to keep a photo diary.

› Create a Mini diary

- 1 In Idle mode, open the application list and select **Mini diary**.
- 2 If you are launching this application for the first time, select **Yes**.
- 3 If there is a diary saved, select **Create diary** to create a new entry.
- 4 Change the today's date and set the weather (if necessary).
- 5 Select **Tap to add photo** and add an image or capture a photo.
- 6 Select **Tap to add text**, enter text, and select **Done**.
- 7 Select **Save**.

› View a Mini diary

1 In Idle mode, open the application list and select **Mini diary**.

2 Select a diary.



To upload a mini diary to your community website, press [≡] → **Publish**.

My files

Learn to quickly and easily access all of your images, videos, music, sound clips, and other types of files stored in your device and memory card.

1 In Idle mode, open the application list and select **My files**.

2 Select a folder.

- To move up one level in the file directory, select **Up**.
- To return to the Home directory, select **Home**.

3 Select a file to open.

In a folder, press [≡] to use the following options:

- To send a file to others, select **Share**.
- To create a new folder, select **Create folder**.
- To delete files or folders, select **Delete**.
- To change the view mode, select **View by**.
- To sort files or folders, select **List by**.
- To move a file or a folder to another folder, select **Move**.
- To copy a file or a folder to another folder, select **Copy**.
- To change the name of a file or a folder, select **Rename**.
- To change the file manager settings, select **Settings**.

Polaris Office 4.0

Learn to create and view Polaris Office documents on your device and memory card.

› Create a document

- 1 In Idle mode, open the application list and select **Polaris Office 4.0**.
- 2 If you are launching this application for the first time, register as an online user or skip the registration.
- 3 Select  → a document type → a template.
- 4 Enter contents in the document.
- 5 When you are finished, select .
- 6 Enter a name for the document and select the saving location.
- 7 Select **Save**.

› Open a document

- 1 In Idle mode, open the application list and select **Polaris Office 4.0**.
- 2 Select **Recent documents** → a document file.

› Manage documents online

- 1 In Idle mode, open the application list and select **Polaris Office 4.0**.
- 2 Select **Clouds** → **Dropbox**.
- 3 Enter your email address and password to access your Dropbox account, and then select **Done**.
- 4 View and manage your documents on the server.

Search

You can search for data saved on your device or on the web.

- 1 In Idle mode, open the application list and select **Search**.
- 2 Enter a letter or a word of the data to search for.
- 3 Select the item's name you want to access.

SIM Toolkit

Use a variety of additional services offered by your service provider. Depending on your SIM or USIM card, this menu may be available but labelled differently. In Idle mode, open the application list and select **SIM Toolkit**.

Task Manager

With the task manager, you can view currently running applications and memory information.

- 1 In Idle mode, open the application list and select **Task Manager**.
- 2 Use the following options:
 - **Active applications:** View the list of all the applications currently running on your device.
 - **Downloaded:** View the total amount of memory used for applications installed on your device.
 - **RAM:** Check and manage the RAM for your device.
 - **Storage:** View the used and available memory on your device and memory card.
 - **Help:** View help information about extending battery life and RAM manager.

Voice command

Your device provides the intelligent voice command feature which turns your voice commands into action. You can dial a number, send a message, search for locations or information, or complete other tasks simply by speaking to your device.

- 1 In Idle mode, open the application list and select **Voice command**.
- 2 If you are launching this application for the first time, read the disclaimer and help information by following the screens.
- 3 Select **Tap & Speak**.
- 4 Say a command into the microphone.

Voice talk

Learn to use the voice command feature provided by Voice talk. You can dial a number, send a message, write a memo, or complete other tasks simply by speaking to your device while on the go.

- 1 In Idle mode, open the application list and select **Voice talk**.
- 2 If you are launching this application for the first time, read the disclaimer and help information by following the screens.
- 3 Select **Tap & Speak**.
- 4 Say a command into the microphone.

Settings

Access the Settings menu

- 1 In Idle mode, open the application list and select **Settings**.
- 2 Select a setting category and select an option.

Wi-Fi

Turn the Wi-Fi feature on or off. ► p. 102

Bluetooth

Turn the Bluetooth wireless feature on or off. ► p. 99

Data usage

Keep track of your data usage and customise settings for your data limit.

- **Mobile data:** Set to use data connections on any mobile network.
- **Set mobile data limit:** Set a limit for the mobile data usage.
- **Data usage cycle:** Customise the settings for the limit cycle.

To use more options, press [≡].

- **Data roaming:** Set to use data connections when you are roaming.
- **Restrict background data:** Set to disable synchronisation in the background while using a mobile network.
- **Show Wi-Fi usage:** Set to show your data usage via Wi-Fi.

More...

Change the settings to control connections with other devices or networks.

› Flight mode

Disable all wireless functions on your device. You can use only non-network services.

› Kies via Wi-Fi

Connect your device to Samsung Kies via Wi-Fi.

› USB utilities

Connect your device to a PC as a mass storage. ► p. 111

› VPN

Set up and connect to virtual private networks (VPNs).

► p. 113

› Tethering and portable hotspot

- **USB tethering:** Activate the USB tethering feature to share your device's mobile network connection with PCs via USB. When connected to a PC, your device is used as a wireless modem for a PC. ► p. 108
- **Portable Wi-Fi hotspot:** Activate the Wi-Fi tethering feature to share your device's mobile network connection with PCs or other devices through the Wi-Fi feature. ► p. 107
- **Configure portable Wi-Fi hotspot:** Configure network settings to use your device as an access point.
- **Bluetooth tethering:** Activate the Bluetooth tethering feature to share your device's mobile network connection with PCs via the Bluetooth wireless feature. ► p. 109
- **Help:** View information about using the tethering features.

› Wi-Fi Direct

Activate the Wi-Fi Direct feature to connect two devices via Wi-Fi without requiring an access point. ► p. 104

› Mobile networks

- **Use packet data:** Set to allow packet switched data networks for network services.
- **Data roaming:** Set the device to connect to another network when you are roaming or your home network is not available.
- **Access Point Names:** Set up access point names (APNs).
- **Network mode:** Select a network type.
- **Network operators:** Search for available networks and select a network for roaming.

Call

Customise the settings for calling features.

- **Call rejection:** Set to reject calls from specified phone numbers automatically. You can add phone numbers to the reject list. ► p. 47
- **Set reject messages:** Add or edit the message that will be sent when you reject a call.
- **Call alert:**
 - **Answer vibration:** Set the device to vibrate when the other party answers a call.
 - **Call status tones:** Activate or deactivate call connection tone, minute minder tone, or call disconnection tone.
 - **Alerts on call:** Select how the device will alert you to events during a call.

- **Call answering/ending:**
 - **Answering key:** Set the device to answer calls by pressing the Home key.
 - **Automatic answering:** Set to answer automatically after a specified period (available only when a headset is connected).
 - **The power key ends calls:** Set the device to end a call when you press the Power key.
- **Turn on proximity sensor:** Set to turn on the proximity sensor during a call.
- **Call forwarding:** Divert incoming calls to another number.
- **Additional settings:**
 - **Caller ID:** Display your caller ID to other parties for outgoing calls.
 - **Call barring:** Block incoming or outgoing calls.
 - **Call waiting:** Allow incoming call alerts when a call is in progress.
 - **Auto redial:** Activate auto redial for automatically redialling a call that was not connected or cut off during a call.
 - **Fixed Dialling Numbers:** Activate or deactivate FDN mode to restrict calls to numbers in the FDN list. You must enter the PIN2 supplied with your SIM or USIM card and reboot the device.
- **Video call image:** Select an image to be shown to the other party.
- **Own video in received call:** Set whether to show your live image or preset image to the other party.
- **Use call fail options:** Select whether or not to retry a voice call when a video call fails to connect.
- **Voicemail service:** Select your service provider or set another provider to receive voice mails.
- **Voicemail:** Enter the number to access the voice mail service. You can obtain this number from your service provider.

Sound

Change the settings for various sounds on your device.

- **Volumes:** Adjust the volume level for call ringtones, media sound, device system sound, and notification ringtones.
- **Vibration intensity:** Adjust the vibration intensity.
- **Silent mode:** Activate Silent mode to make your device vibrate or mute all sounds, except for media sounds and alarm ringtones.
- **Phone ringtone:** Select a ringtone to alert you to incoming calls.
- **Default notification:** Select a ringtone to alert you to events, such as incoming messages, and missed calls.
- **Sound and vibration:** Set the device to vibrate and play a ringtone to alert you to incoming calls.
- **Dial pad touch tones:** Set the device to sound when you touch the keys on the dialling screen.
- **Touch sounds:** Set the device to sound when you select an application or option on the touch screen.
- **Screen lock sound:** Set the device to sound when you lock or unlock the touch screen.
- **Vibrate on touch:** Set the device to vibrate when you press [≡] or [↶], or press and hold the Home key or the Power key.

Display

Change the settings for the display.

- **Home screen wallpaper:** Select a background image for the idle screen.
- **Lock screen wallpaper:** Select an image to display when the screen is locked.

- **Clock:** Set to show the clock on the locked screen.
- **Clock position:** Select the location of the clock on the locked screen. This feature is unavailable when you activate the screen lock feature.
- **Help text:** Set to show the help text on the locked screen.
- **Brightness:** Set the brightness of the display.
- **Screen mode:** Select a display mode.
- **Auto-rotate screen:** Set whether or not to rotate the content automatically when the device is rotated.
- **Screen timeout:** Set the length of time the device waits before turning off the display's backlight.
- **Font style:** Change the font type for the display text. You can download fonts from Play Store by selecting **Get fonts online**.
- **Display battery percentage:** Set to view the remaining battery life.
- **Touch key light duration:** Set the duration for the touch key backlight.
- **Auto adjust screen power:** Set to save power by adjusting the brightness of the display.
- **Horizontal calibration:** Calibrate the accelerometer to adjust the horizontal axis of the device for better motion recognition.

Power saving

Activate Power saving mode and change the settings for Power saving mode.

- **System power saving mode:** Activate Power saving mode to limit some system resource usage.
- **Custom power saving mode:** Set to activate Power saving mode according to your custom settings.

- **Custom power saving mode settings:**
 - **Power saving starts at:** Select a power level for Power saving mode.
 - **Turn off Wi-Fi:** Deactivate the Wi-Fi feature when the device is not connected with a Wi-Fi AP.
 - **Turn off Bluetooth:** Deactivate the Bluetooth feature when not in use.
 - **Turn off GPS:** Deactivate the GPS feature when not in use.
 - **Turn off Sync:** Turn off sync when the device is not synchronising with a web server.
 - **Brightness:** Activate the brightness setting for Power saving mode.
 - **Brightness:** Set the brightness level for Power saving mode.
 - **Screen timeout:** Set the length of time the device waits before turning off the display's backlight.
- **Learn about power saving:** Learn how to reduce battery consumption.

Storage

View memory information for your device and memory card. You can also format the USB storage and the memory card.



Formatting a memory card will permanently delete all data from the memory card.



The actual available capacity of the internal memory is less than the specified capacity because the operating system and default applications occupy part of the memory.

Battery

View the amount of power consumed by your device.

Applications

View and manage the applications on your device.

Accounts and sync

Change the settings for the auto sync feature or manage accounts for synchronisation.

Location services

Change the settings for GPS functionality.

- **Google's location service:** Set to use Wi-Fi and/or mobile networks for finding your location.
- **GPS satellites:** Set to use the GPS satellite for finding your location.
- **Use sensor aiding:** Set to use sensors to enhance pedestrian positioning when the GPS signal is obstructed. There may be variations between the sensor estimates and your actual location.
- **Location and Google search:** Set the device to use your current location for Google search and other Google services.

Security

Change the settings for securing your device and the SIM or USIM card.

- **Screen lock:** Set how to unlock the screen.
 - **None:** Disable the screen lock.
 - **Swipe:** Set to use the screen lock without a PIN, password, pattern, or face detection.
 - **Face unlock:** Set a face detection lock.
 - **Pattern:** Set an unlock pattern to unlock the screen.
 - **PIN:** Set a PIN (numeric) to unlock the screen.
 - **Password:** Set a password (alphanumeric) to unlock the screen.
- **Owner info:** Enter your information that is shown on the locked screen.
- **Encrypt device:** Set a password to encrypt the device to protect data and information saved on the device. Once the device is encrypted, you must enter the password each time you turn on the device. You must first charge the battery because it may take more than an hour to encrypt your device.
- **Encrypt SD card:**
 - **Encrypt SD card:** Protect your personal information by encrypting the data on your memory card.
 - **Full encryption:** Set to encrypt all files on your memory card.
 - **Exclude multimedia files:** Set to encrypt all files except multimedia files on your memory card.

 You may not access the encrypted memory card after the factory data reset. First, decode the memory card before the factory data reset.

- **SIM Change Alert:** Activate or deactivate the Find my mobile feature which helps you locate your device when it is lost or stolen. ► p. 34
- **Alert message recipients:** Add or edit recipients for the alert message.
- **Remote controls:** Set to control a lost device remotely via the web.
- **SamsungDive web page:** Access the SamsungDive website to register your Samsung account.
- **Set up SIM card lock:**
 - **Lock SIM card:** Activate or deactivate the PIN lock feature to require the PIN before using the device.
 - **Change SIM PIN:** Change the PIN used to access SIM or USIM data.
- **Make passwords visible:** Set the device to display your password as you enter.
- **Device administrators:** View device administrators installed on your device. You can activate device administrators to apply new policies to your device.
- **Unknown sources:** Set the device to install applications downloaded from any source. If you do not select this option, you can install only applications downloaded from Play Store.
- **Trusted credentials:** Select certificates and credentials to ensure secure use of various applications.
- **Install from storage:** Install encrypted certificates that are stored in the USB storage.
- **Clear credentials:** Erase the credential contents from the device and reset the password.

Language and input

Change the settings for text input.

› Language

Select a display language for all menus and applications.

› Default

Select a default keyboard type for text input.

› Google voice typing

Activate the Google voice input feature to enter text by voice. To change the voice input settings, select .

- **Select input languages:** Select input languages for Google voice recognition.
- **Block offensive words:** Set to prevent the device from recognising offensive words in voice inputs.

› Samsung Chinese IME

To change the Samsung Chinese IME keypad settings, select .

- **Input Language:** Select languages for text input.
- **Space key to input association:** Set the device to automatically insert a highlighted word by using the space key.
- **Input auto correction:** Set the device to correct misspelled words automatically.
- **Voice Input:** Activate the voice input feature to enter text by voice on the Samsung Chinese IME keypad.
- **English Prediction:** Set the device to predict English words according to your input and display word suggestions.

- **Auto-full stop:** Set the device to insert a full stop when you double-tap the space bar.
- **Auto Capitalization:** Set the device to automatically capitalise the first letter after a final punctuation mark, such as a full stop, question mark, or exclamation mark.
- **Fuzzy Pinyin Input:** Select Fuzzy pinyin pairs so that you can easily enter Chinese characters that are similar in phonetic spelling.
- **Handwriting setting:** Customise the settings for Handwriting mode, such as recognition time, pen thickness, or pen colour.
- **T-Chinese(Hong Kong):** Select the default input method, such as the QWERTY keyboard, traditional keypad, or handwriting screen.
- **English:** Select the default input method, such as the QWERTY keyboard, traditional keypad, or handwriting screen.
- **Character preview:** Set the device to show a preview image of each letter you tap.
- **Vibrate on keypress:** Set the device to vibrate when you touch a key.
- **Sound on keypress:** Set the device to sound when you touch a key.
- **Reset settings:** Reset the Samsung Chinese IME keypad settings to the factory defaults.
- **About:** View the Samsung Chinese IME keypad information.

➤ Samsung keyboard

To change the Samsung keypad settings, select .

- **Portrait keypad types:** Select the default input method, such as the QWERTY keyboard, traditional keypad, or handwriting screen.
- **Input language:** Select languages for text input.

- **XT9:** Activate XT9 mode to predict words based on your input and show word suggestions.
- **XT9 advanced settings:** Activate the advanced features of XT9 mode, such as auto completion, auto correction, or auto substitution, and set up your own word list.
- **Keypad sweeping:** Enable or disable the keypad sweeping feature for the text input mode. You can switch between input modes by scrolling left or right on the keypad.
- **Character preview:** Set the device to show a preview image of each letter you tap.
- **Auto-capitalization:** Set the device to automatically capitalise the first letter after a final punctuation mark, such as a full stop, question mark, or exclamation mark.
- **Handwriting settings:** Customise the recognition time in Handwriting mode.
- **Voice input:** Activate the voice input feature to enter text by voice on the Samsung keypad.
- **Auto-full stop:** Set the device to insert a full stop when you double-tap the space bar.
- **Tutorial:** Learn how to enter text with the Samsung keypad.

› Voice recogniser

Select a voice recognition engine.

› Voice Search

For the Google voice recognition, use the following options:

- **Language:** Select a language for the voice recognition.
- **SafeSearch:** Set the device to filter explicit text and/or images from voice search results.
- **Block offensive words:** Hide offensive words your device recognised from voice search results.

For the Samsung voice recognition, use the following options:

- **Language:** Select a language for the voice recognition.
- **Web search engine:** Select a web search engine.
- **Auto-dial:** Set to automatically dial a number when the voice recognition result is confident.
- **Use location:** Set to use your location information for voice search results.
- **Hide offensive words:** Hide offensive words your device recognised from voice search results.
- **Auto-punctuation:** Set to automatically insert punctuation marks when needed.
- **Listen over Bluetooth:** Set to recognise your voice commands when using a connected Bluetooth headset.
- **Voice talk unique ID:** View your device's unique ID for services when you have problems with Voice talk.
- **About:** View version information.
- **Auto-start listening:** Set to automatically begin voice recognition when you launch the voice command feature.
- **Voice command help:** Access help information for using the voice command feature.
- **Social settings:** Change the settings for accessing community websites.
- **Voice talk settings:** Change the settings for using Voice talk.
- **Voice talk help:** Access help information for using Voice talk.

› Text-to-speech output

- **Preferred engine:** View and select the text-to-speech engines in your device.
- **Speech rate:** Select a speed for the text-to-speech feature.

- **Listen to an example:** Listen to the spoken text for an example.
- **Driving mode:** Activate Driving mode to set the device to read contents aloud.
- **Driving mode settings:** Specify applications to use in Driving mode.

› Pointer speed

Adjust the pointer speed for the mouse or trackpad connected to your device.

Back up and reset

Change the settings for managing your settings and data.

- **Back up my data:** Set to back up your settings and application data to the Google server.
- **Backup account:** Add and view your Google account to back up your data.
- **Automatic restore:** Set to restore your settings and application data when the applications are reinstalled on your device.
- **Factory data reset:** Reset your settings to the factory default values and delete all your data.

Dock

Audio output mode: Set to use the connected dock's speaker when your device is connected to a car or desktop dock.

Date and time

Access and alter the following settings to control how time and date are displayed on your device.



If the battery remains fully discharged or removed from the device, the time and date will be reset.

- **Automatic date and time:** Automatically update the time when you set a time zone.
- **Automatic time zone:** Automatically update the time when you move across time zones.
- **Set date:** Set the current date manually.
- **Set time:** Set the current time manually.
- **Select time zone:** Set your home time zone.
- **Use 24-hour format:** Set to the time to be displayed in 24-hour format.
- **Select date format:** Select a date format.

Accessibility

- **Services:** Activate an accessibility application you have downloaded, such as Talkback or Kickback, which provide voice, melody, or vibration feedback.
- **Power button ends call:** Set the device to end a call when you press the Power key.
- **Auto-rotate screen:** Set whether or not to rotate the content automatically when the device is rotated.
- **Speak passwords:** Set the device to read aloud passwords you enter on websites with TalkBack.
- **Tap and hold delay:** Set the recognition time for tapping and holding the screen.
- **Install web scripts:** Set applications to install web scripts to make their web content more accessible.

Motion

Change the settings that control motion recognition on your device.

- **Motion activation:** Set to use motion recognition.
- **Tilt to zoom:** Set to zoom in or out while viewing images in Gallery or browsing web pages when you tap and hold two points with your fingers and then tilt the device back and forth.
- **Pan to edit:** Set to move an item to another page when you tap and hold the item and then pan the device to the left or right.
- **Double tap:** Set to activate Voice talk by double-tapping the device.
- **Turn over to mute:** Set to mute incoming calls, alarms, and music by placing the device face down.

Developer options

Change the settings for application development.

- **USB debugging:** Select to connect your device to a PC by using a USB cable.
- **Development device ID:** View your device's development ID.
- **Allow mock locations:** Allow mock locations and service information to be sent to a Location Manager service for testing.
- **Desktop backup password:** Set a password to secure your backup data.
- **Strict mode:** Set the device to flash the screen when applications perform long operations.
- **Pointer location:** Set to show the coordinates and traces of the pointer when you touch the screen.

- **Show touches:** Set to show the pointer when you touch the screen.
- **Show screen updates:** Set to flash areas of the screen when they are updated.
- **Show CPU usage:** Set to list all active processes.
- **Force GPU rendering:** Set to use 2D hardware acceleration to improve graphic performance.
- **Window animation scale:** Select a speed for opening and closing pop-up windows.
- **Transition animation scale:** Select a speed for switching between screens.
- **Don't keep activities:** Set to end a running application when you launch a new application.
- **Background process limit:** Set to limit the number of processes that can run in the background.
- **Show all ANRs:** Set the device to alert you to unresponsive applications that are running in the background.

About phone

Access information about your device, check the device's status, and update the device system.

Troubleshooting

When you turn on your device or while you are using the device, it prompts you to enter one of the following codes:

Code	Try this to solve the problem:
Password	When the device lock feature is enabled, you must enter the password you set for the device.
PIN	When using the device for the first time or when the PIN requirement is enabled, you must enter the PIN supplied with the SIM or USIM card. You can disable this feature by using the Lock SIM card menu.
PUK	Your SIM or USIM card is blocked, usually as a result of entering your PIN incorrectly several times. You must enter the PUK supplied by your service provider.
PIN2	When you access a menu requiring the PIN2, you must enter the PIN2 supplied with the SIM or USIM card. For details, contact your service provider.

Your device displays network or service error messages

- When you are in areas with weak signals or poor reception, you may lose reception. Move to another area and try again.
- You cannot access some options without a subscription. Contact your service provider for more details.

The touch screen responds slowly or improperly

If your device has a touch screen and the touch screen is not responding properly, try the following:

- Remove any protective covers from the touch screen.
Protective covers may prevent the device from recognising your inputs and are not recommended for touch screen devices.
- Ensure that your hands are clean and dry when tapping the touch screen.
- Restart your device to clear any temporary software bugs.
- Ensure that your device software is upgraded to the latest version.
- If the touch screen is scratched or damaged, take it to your local Samsung Service Centre.

Your device freezes or has fatal errors

If your device freezes or hangs, you may need to close programs or reset the device to regain functionality. If your device is frozen and unresponsive, press and hold the Power key for 8-10 seconds. The device will reboot automatically.

If this does not solve the problem, perform a factory data reset. In Idle mode, open the application list and select **Settings** → **Back up and reset** → **Factory data reset** → **Reset device** → **Erase everything**.

Calls are being dropped

When you are in areas with weak signals or poor reception, you may lose your connection to the network. Move to another area and try again.

Outgoing calls are not connected

- Ensure that you have pressed the Dial key.
- Ensure that you have accessed the right cellular network.
- Ensure that you have not set call barring for the phone number you are dialling.

Incoming calls are not connected

- Ensure that your device is turned on.
- Ensure that you have accessed the right cellular network.
- Ensure that you have not set call barring for the incoming phone number.

Others cannot hear you speaking on a call

- Ensure that you are not covering the built-in microphone.
- Ensure that the microphone is close to your mouth.
- If using a headset, ensure that it is properly connected.

Audio quality is poor

- Ensure that you are not blocking the device's internal antenna.
- When you are in areas with weak signals or poor reception, you may lose reception. Move to another area and try again.

When dialling from contacts, the call is not connected

- Ensure that the correct number is stored in the contact list.
- Re-enter and save the number, if necessary.
- Ensure that you have not set call barring for the contact's phone number.

The device beeps and the battery icon is empty

Your battery is low. Recharge or replace the battery to continue using the device.

The battery does not charge properly or the device turns off

- The battery terminals may be dirty. Wipe both gold-coloured contacts with a clean, soft cloth and try charging the battery again.
- If the battery will no longer charge completely, dispose of the old battery properly and replace it with a new battery (refer to your local ordinances for proper disposal instructions).

Your device is hot to the touch

When you use applications that require more power or use applications on your device for an extended period of time, your device may feel hot to the touch. This is normal and should not affect your device's lifespan or performance.

Error messages appear when launching the camera

Your Samsung mobile device must have sufficient available memory and battery power to operate the camera application. If you receive error messages when launching the camera, try the following:

- Charge the battery or replace it with a battery that is fully charged.
- Free some memory by transferring files to a PC or deleting files from your device.
- Restart the device. If you are still having trouble with the camera application after trying these tips, contact a Samsung Service Centre.

Error messages appear when launching the FM radio

The FM radio application on your Samsung mobile device uses the headset cable as an antenna. Without a headset connected, the FM radio will be unable to receive radio stations. To use the FM radio, first ensure that the headset is properly connected. Next, scan for and save the available radio stations.

If you still cannot use the FM radio after performing these steps, try accessing your desired station with another radio receiver. If you can hear the station with another receiver, your device may require service. Contact a Samsung Service Centre.

Error messages appear when opening music files

Some music files may not play on your Samsung mobile device for a variety of reasons. If you receive error messages when opening music files on your device, try the following:

- Free some memory by transferring files to a PC or deleting files from your device.
- Ensure that the music file is not Digital Rights Management (DRM)-protected. If the file is DRM-protected, ensure that you have the appropriate licence or key to play the file.
- Ensure that your device supports the file type.

Another Bluetooth device is not located

- Ensure that the Bluetooth wireless feature is activated on your device.
- Ensure that the Bluetooth wireless feature is activated on the device you wish to connect to, if necessary.
- Ensure that your device and the other Bluetooth device are within the maximum Bluetooth range (10 m).

If the tips above do not solve the problem, contact a Samsung Service Centre.

A connection is not established when you connect the device to a PC

- Ensure that the USB cable you are using is compatible with your device.
- Ensure that you have the proper drivers installed and updated on your PC.
- If you are a Windows XP user, ensure that you have Windows XP Service Pack 3 or higher installed on your computer.
- Ensure that you have Samsung Kies 2.0 or Windows Media Player 10 or higher installed on your computer.

Some of the contents in this manual may differ from your device depending on the software of the device or your service provider.

To install Kies (PC Sync) Kies

1. Download the latest version of Kies from the Samsung website (www.samsung.com/kies) and install it on your PC.
2. Using a USB cable, connect your device to your PC.
3. Double-click the Samsung Kies icon on your PC to launch Samsung Kies.
Refer to the Kies help for more information.